

2002 RUTGERS Turfgrass Proceedings



THE NEW JERSEY TURFGRASS ASSOCIATION

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The Rutgers Turfgrass Proceedings is published yearly by the Rutgers Center for Turfgrass Science, Rutgers Cooperative Extension, and the New Jersey Agricultural Experiment Station, Cook College, Rutgers, The State University of New Jersey in cooperation with the New Jersey Turfgrass Association. The purpose of this document is to provide a forum for the dissemination of information and the exchange of ideas and knowledge. The proceedings provide turfgrass managers, research scientists, extension specialists, and industry personnel with opportunities to communicate with co-workers. Through this forum, these professionals also reach a more general audience, which includes the public.

This publication includes lecture notes of papers presented at the 2002 New Jersey Turfgrass Expo. Publication of these lectures provides a readily available source of information covering a wide range of topics and includes technical and popular presentations of importance to the turfgrass industry.

This proceedings also includes research papers that contain original research findings and reviews of selected subjects in turfgrass science. These papers are presented primarily to facilitate the timely dissemination of original turfgrass research for use by the turfgrass industry.

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PERFORMANCE OF KENTUCKY BLUEGRASS CULTIVARS AND SELECTIONS IN NEW JERSEY TURF TRIALS

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Kentucky bluegrass (*Poa pratensis* L.) is the most popular and widely used cool-season turfgrass in the northern United States and Canada. Its overall aesthetic appeal is due to its ability to develop dense turfs of pleasing color and clean mowing quality in a wide range of soils and climates. Its extensive rhizome system provides excellent sod strength and the ability to recuperate after stress periods and fill in damaged areas quickly. As a result, Kentucky bluegrass is used extensively for soil stabilization and conservation, forage, and turf. Kentucky bluegrass is utilized on more than 35 million acres of pastures in the northeastern and northcentral United States, as well as large areas of Canada and Europe. Kentucky bluegrass is considered a premier lawn grass, contributing to the turf of over 40 million lawns throughout the subarctic, temperate, and subtropical (high altitude) climates of the United States (Duell, 1985).

There are three main uses of Kentucky bluegrass: forage, soil conservation, and specialized medium-high maintenance turf such as athletic fields, home lawns, and golf courses. The common-type bluegrasses, predominately adapted to the Mid-west and Rocky Mountain regions of the United States, are useful for soil conservation, pastures, and lower maintenance turf. Common-type bluegrasses are adapted to these uses due to early maturity, quick establishment, good stress tolerance, and the ability to survive dry summers in a dormant state. However, these common-type bluegrasses can suffer extensive turf loss from leaf spot and melting out [caused by *Drechslera poae* (Baudys)] under close mowing in humid environments. More recently developed turf-type Kentucky bluegrass cultivars have a lower, more prostrate growth habit, respond well to higher maintenance regimes, tolerate closer mowing, and have greater resistance to leaf spot diseases than common type bluegrasses. Over the past several decades, more

than 200 cultivars of Kentucky bluegrass have been released.

Kentucky bluegrass is slower to establish than many other cool-season turf grasses. Once established, however, it rapidly colonizes meadows, pastures, and turfs through extensive rhizome production (Huff, 2003). Some of the more commonly known physiological limitations of Kentucky bluegrass to turfgrass management are its susceptibility to drought, disease, and insects (Huff, 2003). According to Funk (2000), nearly every characteristic needed for an ideal lawn is present within the Kentucky bluegrass species. However, since Kentucky bluegrass reproduces through an asexual process called apomixis, incorporation of all the characteristics into one cultivar is challenging. Apomixis does provide the opportunity to produce true-to-type seed from superior plants generation after generation.

Kentucky bluegrass can sometimes exhibit poor summer stress tolerance in the transition zone and southern United States, due not only to heat and drought stress, but also insect and disease pressure. To improve the summer performance of Kentucky bluegrass and extend the use of this species further south, Rutgers is utilizing inter-specific hybridization. Hybrids between Texas bluegrass (*Poa arachnifera* Torr.) x Kentucky bluegrass are being developed to try to incorporate valuable traits from Texas bluegrass into Kentucky bluegrass. Texas bluegrass, native to Texas and parts of Oklahoma, is a dioecious species that is more tolerant of heat and drought stress conditions than Kentucky bluegrass. Texas bluegrass x Kentucky bluegrass crosses were made as early as 1908 by George H. Oliver who noticed a wide variation in first-generation hybrids, including plants that were more heat and drought tolerant and more productive than Kentucky bluegrass (Vinnall and Hein,

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1937). Hybrid evaluation for fertile, highly apomictic offspring with clean threshing seed and improved performance is currently underway at Rutgers. This breeding strategy of crossing female Texas bluegrass plants with Kentucky bluegrass could expand the adaptation of Kentucky bluegrass through transition zone areas and into southern states where better heat and drought tolerance is needed for better performance.

The Kentucky bluegrass improvement program at Rutgers involves extensive field evaluation of collections from the United States, Europe, and Asia, new material developed in the breeding program, as well as cultivars and selections developed by other breeders. Recent collection trips to Poland, Bulgaria, China, Romania, Germany, Portugal, Finland, France, Spain, Switzerland, Italy, Croatia, Norway, the Slovak Republic, Uzbekistan, and Krygizstan have enhanced the diversity of germplasm incorporated into the Kentucky bluegrass breeding program. Additionally, the turfgrass research program at Rutgers participates in the National Turfgrass Evaluation Program (NTEP), which is sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc.

PROCEDURES

Nine trials were seeded in August or September between 1998 and 2001 at North Brunswick or Adelphia, New Jersey (Tables 1, 2, and 4 to 10) and conducted under medium-high maintenance regimes. One low maintenance test was established at Pittstown in September 1998 (Table 3). The soils at the three research farms are moderately fertile and fairly well drained.

Entries in each test were sown by hand using a maximum of 15 g of seed per 3 X 5 ft plot (2.2 lbs/1000 ft²). An unplanted 6-inch border was left around each plot. The test established at North Brunswick in 2000 (Table 6) was sown with 24 g of seed per 4 x 6 ft plot (2.2 lbs/1000 ft²). Each test was arranged in a randomized complete block design with three replications. Annual nitrogen applied and mowing height for each trial are presented in Table 11. The amount of nitrogen applied varied between tests to permit the evaluation of characteristics known to respond to nitrogen level. No single nitrogen application exceeded 1.0 lb/1000 ft². Mowing was frequent enough (two or three times per week during active growth) to avoid excessive defoliation and the accumulation of clippings. Reel mowers were used to maintain a 1.5-

inch height of cut, while rotary mowers were employed at a higher cut.

After establishment, summer annual weeds were controlled by a spring application of DCPA, bensulide, or dithiopyr (Dimension), and broadleaf weeds were controlled by an autumn application of 2,4-D and dicamba. Merit (imidacloprid) was applied on all trials for grub control in July. The 2000 Kentucky bluegrass trial at North Brunswick received an application of Lontrel in April for clover control. No other pesticides were applied. Generally, soil pH was maintained between 6.0 and 6.5 with agricultural limestone. Tests were irrigated during establishment and also when needed to avoid severe drought stress. The low maintenance test at Pittstown (Table 3) received no irrigation during the 2002 growing season.

All tests were rated frequently throughout the growing season for turf quality (which includes attributes such as color, brightness, leaf texture, density, uniformity, and amount of disease and insect damage). Other characteristics were evaluated separately on some tests when differences between entries were apparent. These characteristics included spring green-up (Tables 2, 5, 6 to 10), winter color (Tables 4, 5, and 9), leaf spot (Tables 2, 4, and 5), steminess (Tables 2 and 7), genetic color (Tables 6 and 7), drought tolerance (Tables 2 and 10), establishment (Tables 9 and 10), billbug (*Sphenophorus* spp.) damage (Table 3), leaf texture (Table 6), and invasion by *Poa annua* L. (Table 6). All ratings were based on a 1 to 9 scale, where 9 represented the most favorable turf quality or desirable turf characteristic. Throughout the season, various people scored ratings to reduce individual preferences toward a particular trait. All data were summarized and subjected to an analysis of variance. Means were separated using the least significant difference (LSD) multiple comparisons test

RESULTS

Turf Evaluation Trials

Results are presented in Tables 1 through 10. Entries are ranked according to their overall (multi-year) quality average (Tables 1 to 8). Tables 9 and 10 are ranked by their turf quality average for 2002. Tables 6 and 7 include all the entries of the 2000 Medium-High Maintenance Kentucky Bluegrass Trial sponsored by NTEP. Additional characteristics observed in various tests (i.e., spring green-up, winter

color, leaf spot, genetic color, *P. annua* invasion, and establishment) are discussed below.

Spring Green-up and Winter color

These traits are obvious during late winter or early spring and reflect the wide range of genetic diversity present among the genotypes of Kentucky bluegrass (Tables 2, 5, 6 to 10). Many cultivars and selections in the evaluation trials are adapted to New Jersey and the mid-Atlantic region (37° N to 42°N latitude). The mid-Atlantic region is characterized by shorter days and warmer temperatures during the growing season, compared to the higher latitudes and cool climates of Denmark, Sweden, Norway, and Iceland (range from 47° to 65°N latitude). Due to an increase in leaf elongation that occurs in response to increases in temperature and day length (Parsons and Robson, 1980), cultivars adapted to this region may green up earlier in the spring. Other cultivars and selections adapted to higher latitudes may need a more dramatic change in day length before spring growth is initiated. Cultivars such as Midnight, Bluestone, Midnight II, and cultivars similar in performance to Midnight typically have poor early spring color (Tables 6 and 7). Cultivars such as PST-1701, Langara, and common-type cultivars such as Kenblue typically green up early in the spring (Tables 6 and 7).

Leaf Spot

Leaf spot, caused by the fungus *Drechslera poae* (Baudys) Shoemaker, is a foliar disease that affects Kentucky bluegrass most dramatically in the spring during cloudy wet weather. Differences in tolerance to this disease were evident among many of the cultivars and selections tested (Tables 2, 4, and 5). Leaf spot disease is often associated with plants that have low levels of carbohydrate in the leaf tissue. Some cultivars with early spring green-up (increased shoot elongation) may lose carbohydrates through frequent close mowing, and are thus more susceptible to leaf spot (Smiley, 1992). Cultivars that exhibited poor leaf spot resistance were RSP, Voyager, Barzan, and Huntsville (Tables 4 and 5). Other low growing cultivars or selections that do not actively elongate during spring such as Midnight, Proseeds 453, and Royale do not lose many carbohydrates during mowing and may show increased tolerance to leaf spot as a result. Cabernet, an open-pollinated hybrid of RSP, exhibited improved leaf spot resistance compared to RSP (Tables 4 and 5), demonstrating that breeding for improvements in leaf spot resistance is possible.

Genetic Color

Genetic color is one readily observed characteristic of Kentucky bluegrass and demonstrates the broad genetic diversity that exists in this species. Many professional sod growers, landscapers, and consumers are interested in the intensity of a cultivar's green color during the growing season (Tables 6 and 7) or in the retention of its green color during the winter months (Tables 4, 5, and 9). Cultivars such as Moonlight, Chicago II, Blueknight, and Explorer are among the darkest green cultivars and selections compared to cultivars such as Washington, Kenblue, Barzan, Wellington, HV 140, Brunswick, and Julius, which are lighter green.

Invasion of Annual Bluegrass

Annual bluegrass (*P. annua*) is an invasive weed that colonizes open spaces in frequently and closely mowed turfgrass areas requiring adequate moisture and higher fertility. *Poa annua* is difficult to control in medium-high maintenance Kentucky bluegrass turf because no good selective herbicides are available for control. A cultivar's ability to resist annual bluegrass invasion is a very important attribute for successful long-term performance. Cultivar density, maintenance level, rate of establishment, seed quality, and spreading ability as well as disease and insect resistance play important roles in a cultivar's ability to compete with *P. annua*. The amount of annual bluegrass within each 3 X 5 plot was evaluated in Table 6. Poor performing cultivars and less adapted cultivars such as Bodacious and DLF-76-9034 had very high percentages of annual bluegrass (> 70%), whereas cultivars with better establishment and quality and higher density such as Princeton P-105, Award, and Midnight II had lower percentages of annual bluegrass. Plots with slow and incomplete germination due to varying degrees of post-harvest dormancy had poor initial turf cover and were readily invaded by *P. annua*.

Establishment

Rapid establishment (i.e. seedling vigor) is important to consumers, sod growers, and other turf professionals who establish Kentucky bluegrass turfs from seed (Tables 9 and 10). Kentucky bluegrass is one of the slowest cool-season turfgrasses to establish a mature stand. Seedling vigor can be influenced by factors such as genetics, seed quality, the environment, management practices, and after-ripening

dormancy. After-ripening dormancy occurs with freshly harvested seed and delays germination of the seed under conditions of warm days and nights. This dormancy is broken during storage at warm temperatures and is less pronounced if germination occurs during cool nights with frequent rainfall. Thus, plantings that utilize recently harvested seed lots that exhibit low seedling vigor during warm days and warm nights may be exhibiting varying degrees of after-ripening dormancy rather than genetic establishment differences between cultivars.

SUMMARY

Kentucky bluegrass is grown for many uses under a diverse range of soil, environmental, and management conditions. As a result, there is a demand for cultivars that produce a durable, high quality turf for an assortment of uses under a broad range of conditions. Improved resistance to important diseases and insect pests, heat, drought, close mowing, shade, and wear is needed in cultivars that are expected to perform well in many situations. Blends of Kentucky bluegrass should include cultivars with similar growth characteristics and complementary performance characteristics.

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality ¹ -----				
		1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.
1	Moonlight	6.7	6.9	7.2	6.7	6.0
2	A94-677	6.3	6.4	6.4	6.7	5.7
3	A95-2007	6.1	6.2	5.8	6.4	6.0
4	NuGlade	6.1	7.0	5.3	6.3	5.7
5	Midnight	6.0	6.3	6.2	5.8	5.7
6	H94-460	5.9	4.9	7.0	6.4	5.3
7	Impact	5.9	7.0	5.2	5.5	5.7
8	A96-714	5.8	5.9	5.8	6.4	5.1
9	A96-481	5.8	5.7	6.2	6.4	4.9
10	Rugby II	5.8	6.2	5.6	5.8	5.4
11	A96-763	5.7	6.0	5.7	6.0	5.3
12	Monte Carlo	5.7	6.1	5.1	5.8	5.7
13	A96-427	5.7	6.4	5.6	5.6	5.0
14	A96-415	5.7	6.1	5.0	6.1	5.4
15	SR 2284	5.6	6.3	5.2	5.8	5.3
16	A96-423	5.6	6.4	5.8	5.8	4.5
17	A95-1055	5.6	5.6	5.9	5.8	5.1
18	Award	5.6	6.5	5.3	5.2	5.4
19	Indigo	5.6	6.2	5.3	5.8	5.1
20	A96-416	5.6	5.5	5.7	5.4	5.7
21	MoonShadow	5.6	5.7	6.4	5.1	5.1
22	A96-739	5.6	5.9	5.4	5.5	5.5
23	H94-313	5.5	5.6	5.7	5.8	4.9
24	PST C-74	5.5	6.0	5.2	5.6	5.3
25	Glenmont	5.5	6.6	4.9	5.5	5.1
26	Blue Moon	5.5	6.9	5.5	4.9	4.8
27	A96-337	5.5	6.1	5.5	5.7	4.7
28	A96-348	5.4	5.8	5.2	5.5	5.2
29	A96-424	5.4	6.5	5.7	5.0	4.5
30	A96-451	5.4	6.1	4.7	5.6	5.3
31	Langara	5.4	6.2	5.1	5.4	4.8
32	A96-715	5.4	5.5	5.2	5.3	5.3
33	Rambo	5.4	5.4	5.8	5.5	4.7
34	H94-221	5.3	5.3	5.2	5.8	4.8
35	Blackstone	5.2	5.9	5.1	5.0	4.9

(Continued)

Table 1 (continued).

		-----Turf Quality ¹ -----				
Cultivar or Selection	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
36	H94-288	5.2	6.0	5.1	4.9	4.8
37	H94-550	5.2	5.3	4.2	5.5	5.8
38	A96-407	5.2	5.7	4.7	5.5	4.9
39	A98-2038	5.2	5.6	5.0	5.2	4.9
40	Bordeaux	5.2	6.1	5.0	4.9	4.7
41	Unique	5.1	4.6	4.9	5.8	5.3
42	Boutique	5.1	6.0	4.7	4.7	5.1
43	Dellwood	5.1	5.5	5.0	5.7	4.1
44	Mercury	5.1	5.9	5.5	4.6	4.5
45	A96-308	5.1	4.5	5.3	5.3	5.3
46	America	5.1	5.8	4.9	5.0	4.7
47	A95-1021	5.1	5.6	4.1	5.0	5.6
48	Cabernet	5.1	5.3	5.3	5.0	4.7
49	A82-204	5.1	6.0	5.3	4.7	4.3
50	H94-654	5.0	4.9	5.4	4.6	5.1
51	A96-368	5.0	6.1	4.6	4.7	4.5
52	H94-235	4.9	4.9	5.9	4.7	4.3
53	H92-543	4.9	5.6	5.4	4.2	4.6
54	Lakeshore	4.9	5.7	5.1	4.0	4.8
55	Jefferson	4.9	4.8	5.2	4.8	4.9
56	H92-558	4.9	4.7	5.0	5.2	4.7
57	Pick-453	4.9	4.7	5.0	5.0	4.9
58	Cobalt	4.8	5.7	4.4	4.7	4.4
59	A98-2039	4.8	5.3	5.2	4.4	4.1
60	SR 2109	4.8	4.3	4.8	5.0	5.0
61	NuStar	4.7	5.1	4.7	4.7	4.3
62	Julius	4.7	5.7	4.4	4.3	4.4
63	Alpine	4.7	5.3	4.8	4.3	4.2
64	SI A96-386	4.6	4.9	3.9	5.1	4.5
65	Pick-417	4.6	4.8	5.0	4.7	4.0
66	Julia	4.5	5.6	3.9	4.5	4.2
67	Bel 21	4.5	4.9	4.7	5.2	3.4
68	Eagleton	4.5	4.9	4.4	4.4	4.3
69	Glade	4.5	6.1	3.8	3.9	4.1
70	Princeton P-105	4.4	5.9	4.7	3.3	3.8

(Continued)

Table 1 (continued).

		-----Turf Quality ¹ -----				
Cultivar or Selection	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
71	H94-707	4.4	4.1	5.3	3.8	4.5
72	A96-729	4.4	4.5	4.2	4.6	4.3
73	A93-201	4.4	5.5	4.8	3.6	3.6
74	A96-270	4.4	3.8	4.9	4.3	4.4
75	PST-1701	4.3	4.3	5.5	3.2	4.4
76	Wildwood	4.3	5.5	3.8	3.8	4.1
77	Chicago	4.3	5.4	3.7	3.8	4.3
78	A96-351	4.3	4.7	4.4	4.2	3.9
79	Cheri	4.3	5.3	4.0	3.1	4.5
80	RL-1	4.2	3.2	4.9	4.2	4.5
81	Suffolk	4.2	4.4	4.6	3.9	3.9
82	A91-702	4.2	4.6	4.3	3.7	4.1
83	Eclipse	4.2	5.3	3.8	3.9	3.7
84	A91-703	4.2	4.9	3.9	3.7	4.1
85	Rugby	4.1	5.0	4.0	3.7	3.8
86	Aspen	4.1	5.1	3.8	4.0	3.5
87	Blacksburg	4.1	5.5	4.7	3.8	2.3
88	Freedom	4.1	4.1	4.1	4.2	3.9
89	Kelly	4.1	4.5	4.1	3.2	4.3
90	Clovis	4.0	4.5	4.7	3.0	3.7
91	Blue Chip	4.0	5.2	4.0	3.4	3.3
92	Touchdown	4.0	4.5	3.3	4.3	3.8
93	Caliber	4.0	4.5	4.1	3.4	3.9
94	Cesar	3.9	4.5	4.7	3.2	3.3
95	Baron	3.8	4.2	3.8	3.5	3.9
96	Brunswick	3.8	4.5	4.9	3.0	3.0
97	NuBlue	3.7	4.2	3.7	3.1	3.8
98	Classic	3.7	3.9	4.1	3.5	3.2
99	Nassau	3.7	4.3	3.5	3.0	3.9
100	Muddy Pk	3.7	3.9	3.7	3.8	3.2
101	Crest	3.7	3.6	3.5	3.6	4.0
102	Dragon	3.6	4.8	3.2	2.6	3.7
103	S-21	3.5	3.6	3.7	3.4	3.5
104	Huntsville	3.4	3.9	3.7	3.0	3.1
105	CVB 19863	3.3	3.7	3.0	2.8	3.8

(Continued)

Table 1 (continued).

		-----Turf Quality ¹ -----				
Cultivar or Selection	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
106	Reveille (TxB hybrid) ²	3.3	3.1	3.2	3.1	3.7
107	Miracle	2.8	4.1	2.6	2.3	2.3
LSD at 5% =		0.7	0.9	0.9	1.2	1.1

¹9 = best turf quality

²Texas bluegrass x Kentucky bluegrass hybrid

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.				
1 A96-468	6.5	6.3	6.8	6.3	6.7	3.3	9.0	9.0	4.7
2 A94-677	6.5	5.8	7.0	6.6	6.5	2.7	9.0	6.7	4.7
3 A97-1409	6.4	7.1	6.5	6.2	5.7	4.3	6.3	7.7	5.0
4 Boutique	6.3	5.8	6.1	7.0	6.3	4.7	8.0	7.0	4.7
5 Sonoma	6.3	6.7	6.1	6.2	6.1	2.7	8.3	7.7	3.0
6 Glenmont	6.2	5.9	6.4	6.6	6.0	4.0	8.7	8.3	4.0
7 H94-460	6.2	6.3	6.2	6.4	6.0	2.3	9.0	6.7	4.7
8 SR 2109	6.2	5.7	6.4	6.7	5.9	4.0	8.0	6.0	4.3
9 MoonShadow	6.2	6.1	6.2	6.5	5.9	3.3	9.0	6.3	5.0
10 SR 2284	6.2	6.5	6.5	6.0	5.6	4.3	4.3	6.7	3.0
11 A81-2183	6.2	6.0	6.4	6.5	5.7	3.7	8.7	7.0	4.0
12 H94-550	6.1	5.7	6.2	6.2	6.4	2.7	9.0	7.7	3.0
13 Moonlight	6.1	6.4	6.4	5.9	5.7	2.3	8.0	8.3	3.3
14 Langara	6.1	6.6	6.6	5.4	5.8	5.0	6.0	6.7	2.3
15 AG-K981	6.1	6.3	5.3	6.1	6.6	3.0	9.0	7.7	5.0
16 North Star	6.1	5.4	5.9	6.2	6.8	1.7	9.0	9.0	4.3
17 A97-1510	6.0	6.3	6.3	5.6	5.9	5.3	8.3	7.0	4.3
18 H92-203	6.0	5.7	6.3	5.9	6.0	5.0	8.0	5.7	4.3
19 A98-2256	6.0	5.8	6.1	6.2	5.8	6.3	5.7	7.3	4.7
20 A97-1280	6.0	6.2	6.1	5.9	5.7	3.7	7.0	6.7	3.7
21 A97-1333	6.0	6.2	6.0	5.8	5.8	5.3	8.3	7.7	3.7
22 A96-415	6.0	6.4	5.3	6.1	6.0	5.0	8.7	7.7	4.0
23 H94-654	6.0	5.4	6.0	6.2	6.2	4.7	8.0	6.7	3.7
24 Showcase	5.9	6.0	5.8	6.0	6.0	5.3	8.0	7.3	4.3
25 A95-1667	5.9	5.3	6.4	6.2	5.8	3.7	8.0	6.7	4.7

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.				
26 AG K983	5.9	6.2	5.3	5.8	6.3	2.0	9.0	8.3	3.7
27 A97-1271	5.9	5.9	6.3	5.8	5.5	5.7	8.7	7.3	3.7
28 H92-109	5.9	5.7	5.9	6.1	5.8	6.7	8.3	6.7	3.3
29 A97-410	5.9	6.5	5.8	5.4	5.8	3.0	9.0	6.3	5.3
30 A96-319	5.8	5.6	5.8	5.9	6.1	2.0	9.0	7.3	3.7
31 A96-298	5.8	5.7	5.9	6.2	5.5	2.0	9.0	7.0	3.0
32 H94-288	5.8	5.9	6.0	6.0	5.4	6.0	8.7	5.7	3.0
33 A96-323	5.8	5.2	5.7	6.5	5.9	1.0	9.0	7.0	3.0
34 A97-1263	5.8	5.9	6.2	5.6	5.6	5.7	8.3	6.0	3.7
35 A96-763	5.8	5.2	5.7	6.2	6.2	4.0	6.7	7.3	3.0
36 A96-424	5.8	5.7	5.3	5.9	6.1	6.7	9.0	6.0	4.3
37 Caliber	5.8	5.4	6.2	6.0	5.5	6.0	5.3	5.0	3.7
38 NuGlade	5.8	5.7	6.3	5.4	5.6	1.3	8.7	7.7	2.3
39 PST C-74	5.7	5.7	5.5	6.1	5.6	5.0	9.0	6.3	4.3
40 A97-1244	5.7	5.7	5.5	6.3	5.3	1.3	7.3	6.3	4.0
41 York Harbor 4 G+T	5.7	6.2	5.1	5.6	6.0	2.3	8.0	8.0	4.0
42 A97-1276	5.7	6.0	5.7	5.6	5.5	3.3	4.7	6.3	4.0
43 A96-714	5.7	5.7	5.9	5.6	5.6	4.7	8.0	7.7	5.0
44 A95-1055	5.7	6.0	5.7	5.8	5.4	4.0	8.7	6.0	4.3
45 Princeton P-105	5.7	5.9	5.9	5.5	5.4	1.7	9.0	7.3	1.3
46 A96-324	5.7	5.6	5.7	6.0	5.3	4.7	5.3	6.7	5.0
47 NJGD	5.7	5.9	5.4	5.7	5.6	7.0	8.0	4.7	4.0
48 Midnight	5.7	5.3	5.7	5.9	5.8	2.0	8.3	6.7	3.3
49 A97-890	5.7	5.8	5.8	5.6	5.4	5.0	7.0	5.7	3.7
50 A96-308	5.6	5.4	5.9	5.6	5.6	2.3	8.7	8.0	2.3

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.				
51 A96-270	5.6	6.2	5.7	5.2	5.3	2.7	5.0	7.7	3.0
52 Rita	5.6	6.2	5.9	5.3	5.1	5.0	6.3	7.3	3.0
53 Lakeshore	5.6	5.6	5.9	5.6	5.4	5.3	7.3	5.7	4.3
54 Award	5.6	5.7	5.6	5.5	5.6	2.3	9.0	7.0	3.0
55 Brilliant	5.6	5.8	5.8	5.6	5.2	6.0	8.0	5.7	3.7
56 H94-707	5.6	5.8	5.8	5.6	5.2	1.3	8.7	7.0	2.3
57 A97-884	5.6	5.8	5.7	5.4	5.6	5.7	8.7	5.3	3.7
58 A93-201	5.6	5.6	6.0	5.6	5.2	6.3	7.7	5.3	3.7
59 A97-888	5.6	5.5	5.8	5.8	5.3	6.3	7.3	5.3	4.3
60 Impact	5.6	5.3	5.7	5.6	5.8	1.7	9.0	7.3	3.3
61 Rambo	5.6	5.4	5.5	5.8	5.6	1.3	8.7	7.0	2.3
62 A97-458	5.6	6.2	5.9	5.2	5.0	5.0	7.0	5.0	4.7
63 Liberator	5.6	5.4	5.9	5.6	5.3	1.3	9.0	8.0	1.7
64 A97-1579	5.6	6.0	5.8	5.4	5.0	2.0	8.0	7.3	3.7
65 B3-203	5.5	5.5	5.8	5.2	5.7	5.0	8.3	6.7	3.3
66 A90-287	5.5	5.3	5.5	5.5	5.8	3.7	7.0	6.7	3.0
67 Indigo	5.5	5.3	5.4	5.7	5.6	4.3	8.0	6.3	4.0
68 A97-493	5.5	6.4	5.3	5.1	5.3	5.7	8.0	4.3	4.0
69 Jefferson	5.5	5.6	6.0	5.5	4.9	6.3	9.0	5.0	3.7
70 A97-904	5.5	5.5	5.7	5.3	5.4	5.3	6.0	5.7	3.7
71 Blackstone	5.5	5.5	5.5	5.6	5.3	5.0	8.0	6.0	4.0
72 Pick-417	5.5	5.4	5.6	5.7	5.2	3.3	7.3	5.7	2.7
73 A96-423	5.5	5.3	5.6	5.5	5.4	4.7	7.3	7.0	3.0
74 Monte Carlo	5.4	5.7	5.5	5.4	5.1	2.7	8.3	6.7	4.0
75 A96-337	5.4	5.7	5.6	5.3	5.1	6.3	6.3	5.3	5.7

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.				
76 A82-204	5.4	5.9	5.4	5.2	5.1	4.3	9.0	6.0	2.3
77 A96-715	5.4	5.5	5.5	5.2	5.4	3.3	8.3	7.3	3.3
78 Julia	5.4	5.2	5.2	5.8	5.3	5.3	6.3	5.0	3.7
79 PST-1701	5.4	5.5	5.9	5.3	4.7	6.7	9.0	4.0	3.0
80 A97-1294	5.3	5.3	5.6	5.2	5.2	5.3	7.3	6.0	4.3
81 Brunswick	5.3	4.9	5.1	6.1	5.1	7.0	4.7	5.0	3.0
82 Bordeaux	5.3	5.9	5.1	5.1	5.2	5.0	6.0	6.3	4.3
83 H92-558	5.3	5.4	5.4	5.2	5.1	4.3	6.3	5.3	3.0
84 Mercury	5.3	5.2	5.3	5.4	5.2	5.7	5.0	4.7	6.3
85 A97-474	5.3	5.5	5.2	5.2	5.3	4.7	6.0	6.3	3.3
86 A97-1343	5.3	5.9	5.6	5.0	4.7	5.3	7.3	6.0	4.0
87 Shamrock	5.3	5.5	5.2	5.3	5.2	5.7	7.7	4.7	3.7
88 A96-416	5.3	5.9	5.1	4.9	5.1	5.3	5.7	5.7	4.3
89 A96-348	5.3	5.3	5.1	5.2	5.4	4.0	5.0	6.0	4.0
90 Alpine	5.3	4.9	5.1	5.4	5.6	3.7	6.3	6.3	4.7
91 Brooklawn	5.3	5.2	5.4	5.3	5.0	5.3	6.3	4.7	4.3
92 H94-235	5.2	5.9	5.2	4.9	4.8	2.3	5.0	6.0	3.3
93 Suffolk	5.2	5.6	5.5	4.9	4.9	6.7	3.7	3.7	4.0
94 A98-2038	5.2	5.8	5.2	4.9	4.9	4.3	8.7	7.3	3.3
95 Blacksburg	5.2	4.4	5.4	5.5	5.4	3.0	8.7	7.3	3.3
96 A97-955	5.2	5.1	5.3	5.0	5.4	4.3	6.3	5.7	4.0
97 Pick-453	5.2	5.0	5.2	5.1	5.4	3.7	6.7	6.3	3.0
98 Cobalt	5.2	5.6	5.2	5.0	4.8	4.0	5.0	6.3	3.3
99 H94-221	5.1	5.6	5.8	4.7	4.5	3.7	5.3	7.0	4.0
100 Wildwood	5.1	5.6	4.9	4.9	5.2	3.0	9.0	8.5	3.7

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.				
101 A90-1117	5.1	5.1	5.3	4.8	5.3	6.0	4.7	3.7
102 Rugby II	5.1	5.1	5.5	5.0	4.8	2.3	7.0	3.0
103 Aspen	5.1	5.2	4.9	5.0	5.3	7.3	5.3	3.7
104 A95-418	5.1	5.7	5.6	4.7	4.4	3.3	7.3	2.3
105 Julius	5.1	4.0	5.0	5.7	5.6	3.7	6.3	3.7
106 Blue Moon	5.1	4.8	5.3	5.2	5.0	2.0	6.0	2.3
107 A96-407	5.1	4.8	5.2	5.3	5.0	3.7	7.3	3.0
108 A95-405	5.1	5.2	5.1	5.0	4.9	3.3	7.0	3.7
109 Cabernet	5.1	5.0	4.8	5.1	5.2	7.0	4.3	5.0
110 A96-351	5.0	5.1	5.5	5.0	4.5	4.7	6.0	3.3
111 A96-739	5.0	5.1	5.2	4.9	4.9	6.0	5.7	4.0
112 Explorer	5.0	4.9	5.2	5.1	5.0	3.0	6.3	3.3
113 Unique	5.0	4.6	5.1	5.3	5.1	5.3	5.7	4.3
114 America	5.0	5.0	5.1	5.3	4.6	6.7	4.3	4.0
115 Ram I	5.0	5.1	4.3	5.4	5.2	4.7	5.7	3.7
116 Glade	5.0	4.9	5.2	5.3	4.6	3.3	4.3	3.3
117 NuStar	5.0	4.6	5.0	5.1	5.2	4.3	6.3	4.3
118 Chicago	5.0	5.0	5.1	5.0	4.9	3.3	5.0	3.7
119 Cheri	5.0	4.7	4.8	5.4	4.9	4.3	5.7	3.3
120 A97-1272	4.9	5.7	5.1	4.3	4.7	3.7	6.7	3.7
121 A96-451	4.9	4.9	5.3	4.9	4.6	4.7	6.3	3.0
122 IBM4	4.9	5.7	4.8	4.4	4.7	6.0	6.7	2.7
123 PST-697	4.9	5.4	4.9	4.5	4.6	6.3	5.3	3.0
124 Serene	4.9	5.0	4.5	4.8	5.1	4.3	6.0	3.3
125 SCR-320	4.9	5.0	4.7	4.5	5.2	6.3	5.7	3.7

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.				
126 A82-562	4.8	5.7	4.6	4.2	4.8	7.0	4.3	4.7	3.3
127 H94-321	4.8	5.1	5.0	4.4	4.9	7.0	8.7	4.7	4.0
128 Optigreen	4.8	5.2	4.3	4.7	5.1	4.7	5.3	5.7	3.3
129 A98-2039	4.8	5.2	5.1	4.5	4.4	6.0	7.7	5.0	4.0
130 Dragon	4.8	5.0	5.3	4.3	4.7	4.7	2.7	3.7	3.0
131 Touchdown	4.8	4.7	4.7	5.0	4.8	6.0	9.0	5.3	2.3
132 A97-895	4.8	5.0	5.1	4.5	4.5	4.7	6.0	5.0	3.3
133 Samoa	4.8	4.9	5.1	4.3	4.7	5.7	5.3	4.3	3.3
134 A96-729	4.8	5.6	4.6	4.2	4.6	6.3	6.3	5.0	4.0
135 Dellwood	4.8	4.9	4.5	4.9	4.7	8.0	8.0	3.7	4.0
136 JDSB-93	4.8	5.4	4.9	4.3	4.4	7.0	3.3	4.0	3.0
137 Eagleton	4.7	4.1	4.8	5.1	5.0	6.0	7.0	4.7	5.7
138 NuBlue	4.7	4.8	4.7	4.3	5.2	5.7	4.7	5.0	3.3
139 A97-1297	4.7	5.3	4.6	4.4	4.6	5.0	4.7	5.0	4.0
140 SIA96-386	4.7	4.4	5.5	4.5	4.4	5.0	6.3	5.3	2.7
141 Rugby	4.7	5.3	4.7	4.3	4.4	8.0	3.0	4.3	3.0
142 Eclipse	4.7	4.8	4.8	4.4	4.7	7.3	4.3	4.0	3.3
143 Pp8	4.7	5.2	4.4	4.9	4.2	5.7	5.7	4.0	3.3
144 A95-1606	4.6	4.6	4.7	4.5	4.8	6.0	7.7	4.0	3.0
145 A91-635	4.6	4.5	4.4	4.8	4.8	6.0	8.3	4.7	3.7
146 Liberty	4.6	5.0	4.7	4.4	4.2	7.3	4.3	3.3	3.3
147 Kelly	4.6	4.8	4.9	5.1	3.4	3.7	6.7	3.7	3.7
148 A97-408	4.6	5.7	4.6	3.9	4.1	5.3	4.7	3.7	3.7
149 JC91L2	4.5	4.9	4.6	4.2	4.5	4.3	5.0	6.0	2.0
150 SCR-282	4.5	4.8	4.6	4.0	4.7	7.3	3.0	3.3	3.3

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.				
151 Clovis	4.5	3.5	4.8	5.0	4.6	5.7	7.7	4.3	3.3
152 A91-703	4.4	4.7	4.1	4.5	4.5	7.0	6.7	4.3	4.3
153 CVB 19863	4.4	4.4	4.6	4.6	4.2	4.0	5.3	5.3	2.7
154 97-SCEC-219	4.4	4.5	5.1	5.0	3.0	2.3	7.7	2.7	3.0
155 Cesar	4.4	4.6	5.1	4.7	3.1	3.3	6.0	4.3	2.7
156 97-SCEC-196	4.3	4.8	3.9	4.2	4.2	8.3	8.3	3.0	3.3
157 A91-702	4.3	4.6	4.2	4.3	3.9	7.0	5.7	3.7	3.7
158 CAS-NA	4.3	3.9	4.6	3.9	4.6	6.3	5.0	4.3	3.3
159 Freedom	4.2	3.7	4.2	3.8	4.9	7.0	5.7	5.7	3.7
160 Crest	4.2	4.2	4.6	4.3	3.6	4.7	4.3	2.7	4.0
161 94AN-8	4.2	3.8	4.2	4.5	4.2	2.7	4.7	4.7	4.3
162 Baron	4.1	4.3	4.5	4.6	3.1	4.7	5.7	1.7	2.7
163 Nassau	4.1	3.9	4.1	4.4	4.1	6.3	4.7	4.0	4.0
164 Huntsville	4.1	4.4	3.6	4.2	4.1	7.7	7.3	2.3	5.3
165 AG-K984	4.1	4.1	4.1	4.1	3.9	4.3	5.7	5.0	3.0
166 Miracle	4.0	3.7	4.3	4.1	4.0	5.3	4.0	3.7	3.3
167 Classic	4.0	4.2	4.0	4.1	3.8	8.7	6.7	2.7	4.7
168 CPA-421	4.0	4.0	3.6	4.7	3.5	3.0	2.7	3.7	3.3
169 Muddy Pk	3.9	3.9	3.6	4.4	3.8	7.0	9.0	3.0	5.3
170 Blue Chip	3.9	4.3	4.3	4.0	2.9	2.7	4.7	3.0	2.7
171 AG K982	3.9	4.4	3.9	3.6	3.7	7.7	7.3	3.3	3.3
172 Sidekick	3.9	3.6	3.8	3.9	4.1	5.0	4.0	4.0	3.3
173 97-CNC-254	3.8	4.5	4.0	4.3	2.6	7.7	9.0	1.3	3.7
174 RL-1	3.8	3.7	3.4	4.2	3.9	5.7	8.0	3.7	4.0
175 S-21	3.6	3.7	3.3	3.9	3.2	7.7	9.0	1.7	4.3

(Continued)

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Spring Green-up ² April 2002	Stem-ness ³ May 2002	Leaf Spot ⁴ May 2002	Drought Tolerance ⁵ Aug. 2002
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.				
176 95AN-26	3.5	3.4	3.2	3.5	5.7	5.0	4.0	3.3
177 AG K987	3.5	3.9	2.9	3.6	6.0	5.0	3.7	3.0
178 Reveille (TxB hyb) ⁶	3.4	2.5	3.3	3.8	4.3	5.3	4.3	3.3
179 95AN-24	3.4	3.6	2.8	3.4	6.7	5.0	2.3	3.3
180 AG K985	3.2	3.6	3.3	3.0	6.7	6.7	2.3	1.7
181 AG K986	3.0	4.3	3.2	3.0	7.3	9.0	1.0	1.3

LSD at 5% =	0.7	0.9	0.8	0.8	1.8	2.0	1.6	1.7

¹9 = best turf quality

²9 = earliest spring green-up

³9 = fewest visible seed heads

⁴9 = least disease

⁵9 = most drought tolerance

⁶Texas bluegrass x Kentucky bluegrass hybrid

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in September 1998 at Pittstown, NJ. (Low Maintenance Kentucky Bluegrass Test - Pittstown.)

Cultivar or Selection	-----Turf Quality ¹ -----					Billbug Damage ² July 2001
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
1 Moonlight	5.8	6.4	7.7	5.3	3.6	7.7
2 Langara	5.6	5.7	6.4	5.4	5.0	7.7
3 Boutique	5.5	6.0	6.2	5.1	4.7	7.7
4 A95-1064	5.5	6.2	6.3	5.1	4.3	6.0
5 Blackstone	5.3	6.1	6.1	5.2	4.0	8.3
6 Liberator	5.3	6.0	6.6	4.6	4.1	6.0
7 MoonShadow	5.2	6.0	5.5	4.7	4.6	6.7
8 A96-715	5.2	6.1	6.4	5.1	3.3	6.0
9 A96-415	5.2	5.9	5.6	4.8	4.4	8.3
10 Cabernet	5.2	5.3	5.4	5.1	4.9	9.0
11 Blacksburg	5.2	5.1	6.1	5.4	4.0	7.3
12 SI A96-386	5.1	5.7	5.8	4.9	4.1	6.7
13 Wildwood	5.1	5.6	5.4	4.6	4.7	7.7
14 Pick-453	5.1	5.3	5.6	4.7	4.6	5.7
15 A90-287	5.0	5.7	5.4	5.1	3.8	5.3
16 A96-337	5.0	5.3	5.5	5.0	4.2	5.7
17 A96-763	5.0	5.5	5.1	4.7	4.5	7.7
18 A82-204	5.0	5.5	5.2	4.6	4.6	6.3
19 A96-739	4.9	5.1	5.5	5.2	3.9	8.0
20 H92-558	4.9	5.3	5.6	4.7	4.1	5.3
21 Mercury	4.9	5.6	5.2	4.9	4.0	6.0
22 Midnight	4.9	5.9	6.7	4.1	2.9	5.7
23 A95-418	4.9	5.6	6.1	4.3	3.6	4.3
24 Indigo	4.9	5.2	5.2	4.2	5.0	7.0
25 A96-361	4.9	5.2	5.8	4.8	3.8	6.3
26 A96-766	4.9	5.2	5.6	4.5	4.2	5.7
27 Alpine	4.9	5.2	5.3	4.6	4.3	7.0
28 A96-360	4.9	5.2	5.4	4.6	4.3	6.3
29 Bordeaux	4.8	5.6	5.3	4.4	4.0	6.3
30 A96-351	4.8	5.3	5.5	4.2	4.3	6.0
31 A91-703	4.8	4.8	5.3	4.9	4.2	7.7
32 A93-201	4.8	5.5	5.1	4.5	4.1	6.7
33 A91-702	4.8	4.8	5.2	4.9	4.2	7.3
34 Monte Carlo	4.8	5.8	5.6	4.7	3.1	6.7
35 A96-481	4.8	5.2	5.2	4.7	4.1	5.3

(Continued)

Table 3 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Billbug Damage ² July 2001
		1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
36	A97-307	4.8	5.1	5.1	5.0	4.0	8.7
37	H94-707	4.8	5.7	5.4	4.0	3.9	6.3
38	A96-451	4.7	5.5	5.4	4.6	3.4	6.7
39	A96-408	4.7	5.3	5.9	4.6	2.9	4.7
40	A96-423	4.7	5.6	5.6	4.2	3.2	6.7
41	A96-348	4.6	5.2	5.1	4.4	4.0	6.0
42	Princeton P-105	4.6	5.6	5.5	3.7	3.8	6.7
43	A96-418	4.6	5.0	5.2	4.3	3.9	7.0
44	A96-416	4.6	5.3	5.0	4.2	3.9	6.0
45	SCEC-204	4.6	4.5	5.0	4.5	4.4	7.7
46	Shamrock	4.6	5.0	4.8	4.1	4.5	5.3
47	Dellwood	4.5	4.5	4.2	4.5	5.0	7.7
48	Dragon	4.5	5.2	4.4	4.6	3.9	5.7
49	A96-424	4.5	5.2	4.9	4.0	3.7	5.0
50	SROKBG 6	4.4	4.9	4.7	4.0	4.0	6.0
51	Unique	4.4	5.4	4.9	3.9	3.5	6.0
52	Lakeshore	4.4	4.9	4.6	4.1	3.8	6.0
53	A96-427	4.3	5.3	4.9	4.1	3.2	5.7
54	RL-1	4.3	4.7	4.4	4.3	3.8	7.0
55	Touchdown	4.3	4.8	4.7	4.4	3.4	5.3
56	H94-225	4.3	4.7	4.9	4.2	3.4	5.7
57	PST-1701	4.3	4.4	4.4	4.1	4.2	7.7
58	SCEC-196	4.3	5.0	4.3	4.3	3.5	6.7
59	Explorer	4.3	5.2	5.1	3.3	3.5	3.3
60	SROKBG 8	4.2	5.0	4.2	3.7	4.0	6.0
61	Liberty	4.2	4.4	3.8	4.1	4.5	4.3
62	SCEL-219	4.2	4.8	4.6	4.0	3.3	5.7
63	SCR-320	4.2	5.1	4.4	3.8	3.4	6.0
64	CNC-254	4.1	5.0	4.2	3.6	3.7	7.3
65	America	4.1	4.7	4.1	3.7	3.7	4.3
66	SCR-282	4.0	4.5	3.9	3.6	3.8	4.0
67	Samoa	3.9	4.9	4.4	3.5	2.9	6.3
68	CAS-NA	3.9	3.6	4.5	3.9	3.6	4.0
69	Pp 8	3.8	4.4	3.5	3.9	3.2	5.7
70	Sidekick	3.8	3.9	3.9	3.8	3.5	3.7

(Continued)

Table 3 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Billbug Damage ² July 2001
	1999-2002 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
71 Reveille (TxB hyb) ³	3.6	2.8	4.2	4.0	3.6	5.0
72 SCEC-183	3.6	4.4	3.6	3.8	2.7	8.3
73 94AN-8	3.6	3.5	3.7	3.7	3.6	5.0
74 95AN-24	3.6	3.4	3.8	3.8	3.2	5.7
75 SCEC-157	3.5	3.9	3.2	3.9	3.1	8.7
76 SCEC-194	3.4	3.9	2.7	3.8	3.4	6.7
77 SROKBG 7	2.9	2.4	1.9	3.7	3.4	6.7
78 Tekapo (Orchardgrass)	1.6	2.1	1.5	1.7	1.2	8.7
LSD at 5% =	0.6	0.5	0.9	0.9	1.0	1.9

¹9 = best turf quality

²9 = least billbug damage. Due to an error in the previous (2001) analysis, this data is presented again. (See page 74, Table 5 *in*: Rutgers Turfgrass Proceedings, Vol. 33. A. B. Gould and B. B. Clarke, eds., New Jersey Turfgrass Association.)

³Texas bluegrass x Kentucky bluegrass hybrid

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in September 1999 at North Brunswick, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² Feb. 2002	Leaf Spot ³ May 2002
	2000-2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.		
1 Impact	6.8	7.1	6.3	7.1	3.7	8.7
2 Midnight	6.4	6.5	5.6	7.1	2.7	8.7
3 H94-467	6.2	5.4	6.8	6.3	4.0	2.0
4 Nuglade	6.1	6.9	5.9	5.6	4.3	8.7
5 Bluemoon	6.1	6.4	5.8	6.2	3.0	8.3
6 Langara	6.1	7.0	6.0	5.3	5.7	7.3
7 RSP	6.1	5.7	6.4	6.1	3.7	2.0
8 Absolute	6.0	6.7	5.7	5.7	4.0	8.7
9 Rugby II	5.9	6.9	5.4	5.5	3.0	8.3
10 PST-1701	5.9	5.9	5.8	5.9	6.0	8.0
11 Eagleton	5.7	6.1	5.7	5.3	3.7	5.3
12 Pro Seeds-453	5.7	5.9	5.7	5.5	1.7	7.3
13 A97-284	5.6	5.9	6.0	5.0	3.0	9.0
14 H94-288	5.6	6.3	5.3	5.2	5.7	5.3
15 Award	5.6	6.8	4.8	5.0	4.3	8.3
16 Moonlight	5.5	5.8	5.6	5.2	3.0	9.0
17 Bar Pp 0573	5.5	5.8	5.6	5.2	5.3	7.3
18 Royale	5.5	6.4	5.0	5.0	5.7	7.7
19 A97-1337	5.4	6.2	4.9	5.2	6.0	4.3
20 A97-1292	5.4	5.7	5.4	5.1	6.3	7.3
21 A97-260	5.4	5.6	5.4	5.1	1.7	8.0
22 Rambo	5.4	6.2	4.3	5.7	4.7	8.0
23 A95-1936	5.3	6.2	5.0	4.6	6.0	6.0
24 Blacksburg	5.3	4.5	5.8	5.6	3.0	7.7
25 A97-1655	5.3	6.2	4.6	5.0	6.0	6.0
26 A96-418	5.3	5.6	5.6	4.6	3.7	6.0
27 A97-1436	5.2	5.9	5.1	4.7	5.3	7.7
28 Nustar	5.2	5.4	5.1	5.1	2.0	6.0
29 Cabernet	5.2	3.9	5.8	5.9	2.0	5.7
30 A97-1566	5.1	5.4	5.0	4.9	5.3	7.3
31 Pick-453	5.1	5.6	5.1	4.6	3.7	7.7
32 Mercury	5.1	5.3	4.8	5.2	3.3	5.0
33 Voyager	5.1	4.9	5.4	5.0	3.0	1.0
34 PST C-74	5.1	6.7	4.1	4.4	6.3	6.7
35 Champlain	5.0	5.4	4.8	4.9	6.7	5.3

(Continued)

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² Feb. 2002	Leaf Spot ³ May 2002
		2000- 2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.		
36	Glenmont	5.0	5.5	5.1	4.5	4.0	8.0
37	A96-415	5.0	5.3	5.2	4.6	4.3	8.3
38	A97-458	5.0	5.4	5.1	4.5	3.0	5.3
39	A82-204	5.0	5.1	5.3	4.6	1.7	6.7
40	SRX 2394	5.0	5.1	4.9	5.0	5.0	7.7
41	Princeton P-105	4.9	6.4	4.3	4.1	2.0	8.0
42	A97-1466	4.9	5.1	4.9	4.7	4.7	6.3
43	A96-270	4.9	5.2	5.5	3.9	1.0	7.7
44	A97-1409	4.9	6.6	4.4	3.6	6.3	8.7
45	Arrow	4.9	5.5	4.9	4.2	5.7	6.3
46	A96-340	4.8	5.1	5.3	4.2	3.3	4.7
47	A97-1323	4.8	5.1	4.7	4.7	3.7	7.3
48	America	4.8	5.6	4.3	4.7	5.3	4.3
49	A96-409	4.8	5.8	4.2	4.4	3.0	7.0
50	A97-1304	4.8	5.5	4.3	4.7	5.0	5.7
51	A97-1330	4.8	5.3	4.6	4.6	5.3	4.7
52	A97-890	4.8	4.2	5.3	4.9	4.7	4.7
53	A96-739	4.8	4.8	5.1	4.4	5.0	6.0
54	A97-1446	4.7	5.2	4.8	4.2	5.0	8.3
55	A97-2094	4.7	5.5	4.5	4.1	2.0	6.3
56	A96-451	4.7	5.8	4.6	3.7	5.0	7.0
57	A97-287	4.7	5.9	4.2	3.9	3.0	7.0
58	A97-1271	4.6	5.1	4.8	4.0	3.0	6.7
59	Total Eclipse	4.6	5.3	3.9	4.7	5.3	8.7
60	A97-1327	4.6	5.6	3.9	4.3	6.0	5.0
61	A97-493	4.6	4.7	4.6	4.5	2.3	5.0
62	Boutique	4.6	5.0	4.8	3.9	4.7	7.7
63	A97-1263	4.6	6.0	3.6	4.1	6.3	4.7
64	A96-707	4.5	5.4	4.3	3.9	4.0	8.0
65	Suffolk	4.5	4.8	4.2	4.5	7.7	6.3
66	A96-494	4.5	5.3	4.1	4.1	2.3	8.3
67	A97-1271	4.5	4.9	4.8	3.7	3.0	8.3
68	A97-1362	4.5	5.6	4.2	3.5	4.7	7.3
69	A97-1613	4.4	4.7	4.5	4.1	3.7	5.3
70	A95-1043	4.4	4.2	4.6	4.5	4.0	5.3

(Continued)

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² Feb. 2002	Leaf Spot ³ May 2002
		2000- 2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.		
71	A97-1333	4.4	5.0	4.2	4.2	4.0	7.3
72	A97-945	4.4	4.6	4.4	4.2	4.0	4.7
73	Brooklawn	4.4	4.3	4.4	4.5	4.7	5.3
74	A97-1579	4.4	4.8	4.3	4.1	4.3	5.3
75	H94-707	4.4	5.9	3.9	3.3	3.3	8.0
76	Limousine	4.4	4.4	4.3	4.5	6.0	5.7
77	H92-558	4.4	5.6	4.4	3.0	3.7	8.0
78	Monte Carlo	4.3	4.6	4.6	3.9	3.3	7.7
79	A97-1510	4.3	4.5	4.0	4.6	4.3	6.7
80	Georgetown	4.3	4.9	3.7	4.4	7.0	4.3
81	A97-1416	4.3	4.2	4.8	3.9	6.0	4.7
82	Blackstone	4.3	4.9	4.3	3.6	4.7	6.3
83	Bordeaux	4.2	3.6	4.6	4.5	3.3	6.0
84	A97-1523	4.2	5.3	3.6	3.7	4.7	9.0
85	A97-1766	4.2	4.1	4.1	4.5	2.3	6.0
86	A97-2332	4.1	5.0	3.7	3.6	3.3	7.7
87	Nassau	4.1	4.3	3.9	4.0	5.3	2.0
88	A95-1055	4.0	4.5	4.1	3.3	4.7	6.0
89	A96-256	3.9	4.3	3.6	3.8	2.3	7.3
90	Bluechip	3.9	4.1	4.0	3.6	1.7	4.7
91	A97-1244	3.8	4.2	4.0	3.4	2.7	6.0
92	Champagne	3.8	3.1	4.4	3.9	4.3	4.3
93	A97-1433	3.8	4.1	3.7	3.5	4.7	7.3
94	A97-1343	3.8	4.4	3.7	3.2	3.0	5.7
95	Blueridge	3.8	4.6	3.1	3.6	4.3	8.3
96	Nublu	3.7	3.5	3.3	4.4	6.7	5.7
97	A96-332	3.6	4.2	3.5	3.2	3.7	5.7
98	Huntsville	3.6	3.0	4.1	3.6	3.3	1.0
99	Dragon	3.5	3.9	3.6	3.1	4.3	5.0
100	A97-1297	3.1	4.4	2.6	2.5	4.7	4.7
101	A97-1258	2.8	4.1	2.6	1.7	3.7	5.3
	LSD at 5% =	0.9	0.9	1.2	1.3	1.7	1.5

¹9 = best turf quality²9 = darkest green color³9 = least disease

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 1999 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2002	Spring Green-up ³ April 2002	Leaf Spot ⁴ May 2002
		2000- 2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.			
1	Royale	6.4	6.4	6.6	6.2	5.7	5.0	8.7
2	A97-1757	6.4	6.4	6.9	5.9	7.7	7.0	6.0
3	A97-1409	6.4	6.7	7.1	5.3	7.7	4.7	8.7
4	Pro Seeds 453	6.3	6.3	6.5	6.2	4.7	5.3	8.3
5	Bedazzled	6.3	6.1	6.6	6.2	7.3	6.7	8.3
6	Bar Pp 0573	6.3	6.5	6.3	6.0	6.7	5.3	8.0
7	Boutique	6.2	6.4	6.8	5.5	6.7	5.0	8.7
8	A97-1432	6.2	6.2	6.5	5.9	5.7	3.7	8.0
9	A96-298	6.2	6.2	5.9	6.5	4.0	1.3	7.0
10	Moonlight	6.1	6.4	6.4	5.6	3.3	1.7	8.0
11	A95-418	6.1	6.4	6.0	5.7	6.3	3.0	8.0
12	Award	6.1	6.4	5.5	6.3	4.3	1.7	8.3
13	A96-415	6.0	6.2	6.3	5.7	6.0	5.0	8.0
14	A97-1271	6.0	5.9	6.5	5.6	4.7	4.3	8.7
15	Bar Pp 0468	6.0	6.2	6.0	5.8	5.0	6.3	7.3
16	A96-494	6.0	6.4	6.2	5.4	5.7	3.7	9.0
17	H94-550	6.0	6.1	6.2	5.7	4.7	4.0	6.7
18	A96-337	6.0	6.6	5.9	5.6	4.3	6.0	7.7
19	A97-284	6.0	5.7	6.2	6.1	5.3	1.0	8.7
20	A97-1263	6.0	6.0	6.0	6.0	4.0	6.0	8.0
21	A97-410	6.0	6.4	5.4	6.2	7.3	3.7	5.3
22	Nuglade	6.0	6.3	5.8	5.8	5.3	1.7	8.0
23	Glenmont	6.0	5.5	6.3	6.1	6.0	6.3	8.3
24	A96-323	6.0	6.4	5.5	6.0	4.3	1.3	6.0
25	Sonoma	5.9	6.4	5.8	5.6	5.7	3.3	8.0
26	A97-1333	5.9	6.0	6.2	5.6	5.7	4.7	7.7
27	Impact	5.9	6.4	5.6	5.7	5.0	2.0	8.3
28	Bar Pp 0471	5.9	6.1	6.1	5.6	5.0	5.7	8.0
29	Absolute	5.9	6.1	5.6	6.0	5.0	2.3	8.0
30	A96-324	5.9	6.1	6.0	5.6	3.3	4.3	8.0
31	A97-1327	5.9	6.1	5.9	5.6	5.0	6.3	7.7
32	A97-1330	5.8	5.7	6.0	5.8	4.0	6.3	8.0
33	A97-1362	5.8	6.2	6.2	5.1	6.3	6.0	8.3
34	A96-427	5.8	6.0	6.1	5.3	6.0	5.3	7.3
35	A95-1936	5.8	5.9	6.1	5.5	6.3	7.0	5.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2002	Spring Green-up ³ April 2002	Leaf Spot ⁴ May 2002
		2000-2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.			
36	A97-1304	5.8	5.9	5.9	5.6	5.3	5.3	8.0
37	Princeton P-105	5.8	5.8	5.6	5.9	5.7	1.7	8.0
38	Champlain	5.8	6.0	6.0	5.4	4.7	5.7	7.3
39	Langara	5.8	6.1	5.9	5.4	8.0	7.0	7.3
40	A97-1436	5.8	5.8	5.9	5.6	6.7	4.0	8.7
41	A97-1510	5.7	5.3	6.0	5.9	6.3	5.7	8.3
42	A97-1446	5.7	6.1	5.8	5.3	5.0	2.7	9.0
43	H94-288	5.7	6.2	5.9	5.1	4.7	6.0	7.3
44	A96-270	5.7	5.8	6.0	5.3	5.7	2.7	8.0
45	K 981/983	5.7	5.8	5.4	5.9	6.3	1.3	8.3
46	A96-451	5.7	6.0	6.0	5.1	7.3	4.7	9.0
47	A97-1523	5.7	6.0	5.6	5.4	6.7	3.0	9.0
48	Rambo	5.7	6.0	5.3	5.8	6.0	2.3	8.7
49	A96-409	5.7	5.7	5.8	5.5	4.0	4.0	8.0
50	Rugby II	5.6	5.9	5.3	5.7	5.0	2.7	7.7
51	A96-1353	5.6	5.8	6.1	5.0	6.3	6.7	8.0
52	Blue Moon	5.6	6.2	4.9	5.7	5.0	1.3	8.0
53	SR 2284	5.6	5.6	6.0	5.3	6.7	6.3	7.0
54	A96-479	5.6	6.1	5.7	5.1	5.0	4.3	9.0
55	MoonShadow	5.6	5.6	5.6	5.6	4.3	3.3	6.3
56	A97-287	5.6	5.8	5.5	5.4	4.0	1.0	7.0
57	SR 2394	5.6	5.4	5.5	5.9	6.7	5.0	8.7
58	A97-1566	5.6	5.5	5.9	5.4	6.7	4.0	8.3
59	Arrow	5.6	5.7	5.6	5.4	7.3	5.7	8.3
60	A97-1337	5.6	5.6	5.9	5.3	3.7	5.7	8.0
61	A97-1655	5.6	5.9	5.6	5.2	4.7	6.0	8.0
62	A96-418	5.6	5.9	5.7	5.1	5.3	5.3	8.0
63	PST-1701	5.5	5.4	6.0	5.2	6.0	7.0	6.0
64	Barcelona	5.5	5.2	5.3	6.1	7.0	4.7	7.7
65	A96-707	5.5	6.4	5.2	4.9	3.3	3.0	8.3
66	A97-1613	5.5	5.7	6.0	4.8	5.7	5.0	7.0
67	A95-1055	5.5	5.7	5.6	5.2	6.3	5.0	7.3
68	Pick-417	5.5	5.6	5.6	5.3	6.0	4.0	8.7
69	PST C-74	5.5	5.6	5.5	5.3	3.7	6.0	7.7
70	A97-890	5.5	5.5	5.6	5.3	6.0	5.7	7.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2002	Spring Green-up ³ April 2002	Leaf Spot ⁴ May 2002
		2000- 2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.			
71	A97-1465	5.4	5.9	5.7	4.7	6.0	6.7	6.0
72	Pp 8388	5.4	5.5	5.8	5.1	7.3	7.3	7.0
73	Yvette	5.4	5.3	5.7	5.3	3.3	3.7	6.0
74	Total Eclipse	5.4	5.5	5.2	5.6	5.3	3.3	8.3
75	America	5.4	5.4	5.5	5.4	4.3	6.3	7.3
76	Lakeshore	5.4	5.5	5.6	5.2	4.3	5.0	7.3
77	A97-458	5.4	6.2	5.1	4.9	4.0	4.3	7.0
78	A97-493	5.4	5.6	5.5	5.1	3.7	5.3	6.0
79	95AN-10	5.4	5.2	5.9	5.2	5.7	7.3	5.7
80	Mallard	5.4	5.5	5.5	5.1	5.7	3.7	9.0
81	HV 238	5.4	5.0	5.8	5.4	5.0	4.7	7.3
82	A97-1466	5.4	5.5	5.6	5.1	6.7	7.7	7.7
83	A82-204	5.4	5.8	5.5	4.8	6.7	5.7	6.7
84	Blacksburg	5.4	5.1	5.6	5.4	5.0	3.3	6.3
85	Midnight	5.4	5.8	5.0	5.4	6.0	2.0	8.0
86	A97-945	5.4	5.3	5.5	5.3	6.0	7.0	6.7
87	A97-1766	5.4	5.4	5.6	5.1	5.0	4.0	7.7
88	A96-408	5.4	5.8	5.4	4.9	4.7	5.0	7.7
89	Brooklawn	5.3	5.1	5.7	5.2	5.7	4.7	7.3
90	A97-2094	5.3	5.5	5.5	5.0	4.7	3.3	7.7
91	Pick-453	5.3	5.3	5.5	5.1	5.7	4.7	8.3
92	Indigo	5.3	5.4	5.4	5.0	5.7	5.7	6.7
93	A97-1433	5.3	5.4	5.5	5.0	6.7	6.0	8.0
94	A97-1292	5.3	5.6	5.3	4.9	6.3	5.7	6.3
95	Serene	5.3	5.4	5.4	5.1	4.7	4.3	6.3
96	Festina	5.3	4.8	5.5	5.5	4.3	7.3	7.7
97	H92-558	5.3	5.2	5.7	4.9	5.3	4.3	8.0
98	Wildwood	5.3	5.0	5.6	5.2	5.0	2.3	8.0
99	Virginia	5.2	5.2	5.6	4.9	8.3	7.0	7.3
100	Brunswick	5.2	4.8	5.6	5.2	5.7	7.7	5.3
101	A97-2086	5.2	5.9	5.0	4.7	4.7	3.0	7.7
102	Nustar	5.2	5.2	5.2	5.2	4.7	5.0	7.0
103	Bordeaux	5.2	5.9	4.9	4.8	5.3	4.3	8.7
104	Pp H 7875	5.2	5.2	5.0	5.3	6.7	6.3	7.0
105	Monte Carlo	5.2	5.4	5.3	4.8	4.0	4.0	8.7

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2002	Spring Green-up ³ April 2002	Leaf Spot ⁴ May 2002
		2000- 2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.			
106	Pp H 6351	5.2	5.6	5.0	4.9	6.7	7.0	6.7
107	Bartitia	5.2	5.0	5.1	5.4	6.0	5.3	6.0
108	A97-1244	5.1	5.3	5.4	4.7	6.0	2.3	7.3
109	A96-1322	5.1	4.6	5.5	5.3	2.3	1.7	7.7
110	A97-1343	5.1	5.3	5.3	4.8	5.7	4.3	7.0
111	H92-577	5.1	5.2	5.2	4.9	6.0	5.0	7.7
112	Shamrock	5.1	5.0	5.5	4.8	5.7	7.0	7.0
113	Cabernet	5.1	5.4	4.9	5.0	4.0	7.0	5.3
114	A96-304	5.0	5.9	4.7	4.5	7.3	5.3	8.7
115	Suffolk	5.0	5.4	4.7	5.1	7.3	7.0	6.3
116	SCR-282	5.0	5.5	4.9	4.6	6.7	6.7	6.3
117	HV 230	5.0	4.9	5.2	5.0	5.0	5.3	6.3
118	Limousine	5.0	5.1	4.7	5.2	4.0	6.3	7.7
119	Baronie	5.0	5.1	4.9	5.0	6.0	6.3	7.0
120	Blueridge	5.0	5.3	5.3	4.4	6.3	5.0	7.7
121	Explorer	5.0	5.7	4.8	4.5	5.3	3.0	8.0
122	Mercury	5.0	5.5	4.9	4.5	4.3	6.0	6.7
123	Leonie	4.9	5.1	5.1	4.6	7.3	6.7	7.3
124	A95-1043	4.9	5.3	5.1	4.4	6.3	4.7	7.7
125	A97-408	4.9	5.4	4.9	4.5	6.7	6.0	7.7
126	A97-2306	4.9	5.2	5.2	4.3	3.7	3.7	5.7
127	SCR-320	4.9	5.4	4.7	4.7	4.3	4.7	6.7
128	A96-340	4.9	5.3	5.0	4.4	4.0	5.3	7.3
129	Champagne	4.9	4.7	5.1	4.9	5.3	7.0	6.3
130	A97-1276	4.9	5.2	4.9	4.6	6.0	4.3	8.0
131	A96-739	4.9	4.8	5.1	4.7	5.7	5.3	7.3
132	Pp H 7832	4.8	4.7	4.7	5.1	7.3	7.0	5.7
133	Eagleton	4.8	4.9	5.1	4.5	3.7	5.7	4.3
134	A96-1201	4.8	5.7	4.6	4.1	2.7	4.7	3.7
135	Nublue	4.8	5.4	4.4	4.7	5.0	6.3	7.0
136	Pp 8	4.8	4.8	4.9	4.8	5.7	5.7	5.3
137	Pp H 7925	4.8	4.6	4.8	4.9	5.0	4.3	6.3
138	A97-1492	4.8	5.1	4.9	4.3	7.3	5.7	6.7
139	Baron	4.8	4.9	5.2	4.2	4.3	3.0	5.3
140	A94-976	4.8	5.1	4.7	4.4	7.3	4.7	6.7

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2002	Spring Green-up ³ April 2002	Leaf Spot ⁴ May 2002
		2000-2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.			
141	Julius	4.8	4.3	4.9	5.1	3.3	6.0	7.3
142	Pp H 7982	4.7	4.6	5.0	4.6	6.0	5.3	5.7
143	Bluechip	4.7	4.8	5.3	4.1	3.7	5.7	4.3
144	Pp H 6370	4.7	5.0	4.6	4.5	5.7	5.3	4.7
145	Touchdown	4.7	4.7	4.6	4.7	7.0	6.3	7.0
146	Sabine	4.7	4.0	5.0	5.0	4.7	6.7	7.7
147	Nassau	4.6	4.9	4.6	4.4	5.7	6.7	5.0
148	JC 91 L2	4.6	5.2	4.3	4.3	4.0	4.3	8.0
149	Barzan	4.6	4.5	4.6	4.7	5.3	3.3	3.3
150	A97-1294	4.6	4.8	4.7	4.3	5.0	5.0	7.3
151	CPA-421	4.5	4.2	4.8	4.5	6.7	5.0	6.0
152	Clovis	4.5	4.4	4.4	4.6	2.3	6.7	5.7
153	A97-1258	4.4	5.2	3.8	4.2	5.3	4.0	7.0
154	Pp H 7759	4.4	4.4	4.4	4.3	6.7	5.7	7.3
155	A97-1297	4.4	4.7	4.3	4.2	5.3	5.3	8.0
156	Pp H 7929	4.3	4.2	4.2	4.6	5.3	5.7	6.3
157	Voyager	4.3	4.7	4.3	3.8	4.3	8.0	2.7
158	K 984	4.3	4.0	4.5	4.3	6.0	5.7	6.7
159	Pp H 7921	4.2	4.2	4.0	4.5	5.0	5.7	7.0
160	Georgetown	4.2	5.0	4.3	3.4	6.0	7.3	5.3
161	K 994	4.2	4.4	4.2	4.0	5.0	5.7	4.3
162	SCEC-183	4.2	4.7	3.8	4.1	5.3	7.3	3.0
163	Pp H 7904	4.1	4.0	4.0	4.3	5.7	5.3	6.3
164	Pp H 7776	4.1	3.9	4.2	4.1	3.0	4.3	4.0
165	Pp H 6819	4.1	4.5	4.0	3.8	3.3	7.0	1.7
166	Pp H 7907	4.1	4.2	3.7	4.4	6.3	5.0	6.0
167	94AN-8	4.1	4.2	4.0	4.1	3.7	5.0	6.0
168	Boomerang	4.0	3.7	4.0	4.3	4.0	4.3	6.3
169	Pp H 7777	4.0	4.4	3.7	3.8	5.3	5.3	7.7
170	Barblue	3.9	5.1	3.5	3.2	7.3	9.0	2.7
171	RSP	3.9	4.5	4.2	3.0	4.0	8.7	1.0
172	95AN-24	3.8	3.7	3.7	3.9	5.7	7.3	3.7
173	95AN-1	3.7	3.6	3.8	3.7	5.0	5.3	5.0
174	K 993	3.6	4.1	3.2	3.7	5.3	6.0	3.3
175	Huntsville	3.6	3.9	3.6	3.4	5.0	6.7	3.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2002	Spring Green-up ³ April 2002	Leaf Spot ⁴ May 2002
		2000- 2002 Avg.	2000 Avg.	2001 Avg.	2002 Avg.			
176	SCEC-194	3.6	3.7	4.3	2.8	5.0	9.0	4.7
177	K 992	3.6	3.7	3.5	3.6	3.3	4.3	5.3
178	P 226	3.4	3.4	3.6	3.2	3.7	7.7	4.7
179	K 985	3.3	3.6	3.5	2.9	6.3	7.3	2.0
180	P 243	3.2	2.9	3.2	3.4	4.3	7.0	3.0
181	P 236	3.0	2.0	3.2	3.7	4.7	5.7	5.7
182	P 242	3.0	2.7	2.8	3.3	4.0	7.0	3.7
183	P 247	2.9	3.2	2.9	2.6	2.7	6.3	3.0
LSD at 5% =		0.6	0.8	0.7	0.7	1.7	1.6	1.3

¹9 = best turf quality

²9 = darkest green color

³9 = earliest spring green-up

⁴9 = least disease

Table 6. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in August 2000 at North Brunswick, NJ. (Includes all entries of the 2000 National Kentucky Bluegrass Medium-High Maintenance Test sponsored by NTEP.)

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴	Poa annua (%)	
	2001-2002 Avg.	2001 Avg.					2002 Avg.	May 2002	Nov. 2002
1 Award	6.6	6.8	6.4	3.0	7.0	6.5	6.0	5.7	18.3
2 J-2695	6.6	6.9	6.3	3.7	7.7	6.7	6.3	5.0	21.7
3 Impact	6.5	6.9	6.2	3.7	7.3	6.7	6.0	4.7	21.7
4 Tsunami	6.5	6.8	6.2	4.0	7.7	7.2	6.3	5.0	23.3
5 Princeton P-105	6.5	5.7	7.2	5.3	7.7	6.8	6.3	7.3	8.3
6 Moonlight	6.4	7.1	5.7	3.0	7.7	6.2	5.0	6.0	36.7
7 J-1838	6.3	6.6	6.0	2.7	7.7	6.2	6.0	5.3	26.7
8 A95-1930	6.3	5.8	6.8	8.0	5.0	7.5	7.7	7.0	18.3
9 Langara	6.2	6.3	6.2	7.0	5.3	7.2	7.3	6.0	30.0
10 Midnight	6.2	6.5	5.9	2.7	7.3	6.5	6.0	4.7	23.3
11 Midnight II	6.2	6.3	6.1	2.0	6.7	6.5	6.7	6.0	18.3
12 Unknown	6.2	6.3	6.2	3.3	7.0	6.5	6.0	5.3	26.7
13 Serene	6.2	6.2	6.2	4.7	7.3	7.5	7.0	5.7	18.3
14 Arcadia	6.2	6.4	6.0	3.3	7.3	6.7	6.0	5.3	25.0
15 Barrister	6.2	6.3	6.0	4.0	7.7	6.5	6.7	5.3	20.0
16 PST-1701	6.2	5.8	6.5	8.7	5.0	8.0	7.7	6.3	22.7
17 Liberator	6.1	6.6	5.7	4.3	7.3	6.2	6.3	4.3	23.3
18 J-1513	6.1	6.3	5.9	4.7	7.7	6.5	6.7	4.7	26.7
19 Bedazzled	6.1	6.4	5.8	7.3	7.0	6.0	6.3	5.7	50.0
20 Total Eclipse	6.1	6.4	5.7	4.7	7.7	6.7	6.0	5.3	22.7

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua (%) Nov. 2002
	2001-2002 Avg.	2001 Avg.	2002 Avg.	2002 Avg.						
21 Blackstone	6.1	6.0	6.1	6.1	3.7	4.7	7.2	5.3	7.3	28.3
22 Odyssey	6.1	6.3	5.8	5.8	3.3	6.7	6.3	6.0	5.0	36.7
23 J-1515	6.0	6.3	5.8	5.8	3.0	7.7	6.7	6.3	5.0	25.0
24 J-1368	6.0	6.3	5.7	5.7	2.7	8.0	6.8	6.0	5.0	23.3
25 Bluestone	6.0	6.7	5.2	5.2	3.0	6.7	6.2	6.0	4.7	28.3
26 NuGlade	6.0	6.1	5.8	5.8	4.3	7.3	6.2	6.0	5.0	21.7
27 J-1420	6.0	6.2	5.7	5.7	3.7	7.3	6.3	6.3	5.3	21.7
28 Beyond	5.9	6.3	5.6	5.6	3.3	7.3	5.8	6.0	5.7	31.7
29 Rugby II	5.9	6.1	5.7	5.7	4.3	6.7	6.2	5.7	5.0	25.0
30 J-2890	5.8	6.3	5.2	5.2	3.3	7.7	6.3	6.3	4.0	31.7
31 Eagleton	5.7	6.1	5.4	5.4	7.0	2.7	6.7	5.3	6.7	35.0
32 H97-695	5.7	6.3	5.2	5.2	3.7	7.7	5.5	6.0	4.7	36.7
33 Alpine	5.7	5.8	5.6	5.6	1.0	5.7	7.3	7.3	5.7	38.3
34 MoonShadow	5.7	5.8	5.6	5.6	4.3	6.3	6.5	6.3	5.3	38.3
35 Royale	5.7	6.6	4.7	4.7	6.7	5.7	6.3	6.3	4.3	60.0
36 Hallmark	5.6	6.3	4.9	4.9	3.0	7.7	5.8	6.3	5.7	40.0
37 Quantum Leap	5.6	6.3	4.9	4.9	2.3	8.3	5.7	5.7	4.7	36.7
38 Excursion	5.6	5.9	5.3	5.3	3.7	7.3	5.8	5.7	4.7	31.7
39 PST-161	5.6	5.8	5.3	5.3	6.7	5.7	5.0	5.0	6.3	28.3
40 SR 2394	5.6	5.8	5.3	5.3	4.7	5.7	6.3	6.7	5.3	40.0
41 J-2561	5.5	6.2	4.8	4.8	3.7	7.7	5.5	5.7	4.3	33.3
42 Champlain	5.5	5.3	5.7	5.7	5.3	6.7	6.5	5.7	5.7	30.0
43 HV 238	5.5	5.6	5.3	5.3	6.7	6.7	6.3	5.7	6.0	40.0
44 Brooklawn	5.5	5.7	5.3	5.3	6.7	6.7	6.3	6.0	6.7	36.7
45 Royce	5.5	6.2	4.7	4.7	5.0	3.3	6.3	6.7	5.0	73.3

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua (%) Nov. 2002
	2001-2002 Avg.	2001 Avg.	2002 Avg.						
46 J-2885	5.4	5.5	5.4	5.3	7.0	5.3	5.0	5.0	38.3
47 A97-1411	5.4	5.9	4.9	5.7	3.7	6.3	7.0	4.3	75.0
48 Cabernet	5.4	6.1	4.7	5.0	5.7	5.0	6.0	5.7	50.0
49 Pp H 7832	5.4	5.3	5.4	6.0	5.3	6.5	5.7	6.3	31.7
50 Chicago II	5.3	5.4	5.2	5.7	9.0	6.3	5.0	4.7	26.7
51 A99-LM16 (TxB hyb) ⁷	5.3	6.1	4.6	1.7	4.3	6.3	5.7	6.0	33.3
52 Shamrock	5.3	5.9	4.8	7.7	7.3	6.2	5.7	5.3	38.3
53 BAR Pp 0468	5.3	5.6	5.0	5.3	3.7	6.0	6.3	4.3	78.3
54 Boutique	5.3	6.2	4.4	6.7	6.7	4.8	4.7	5.3	51.7
55 Jefferson	5.3	5.2	5.4	8.3	4.7	6.5	6.3	6.0	23.3
56 A98-1358	5.3	5.5	5.1	7.3	6.0	5.7	6.0	6.3	36.7
57 A94MH-94	5.3	5.4	5.1	4.0	6.7	6.7	5.7	5.0	25.0
58 PST-B5-125	5.3	5.3	5.2	2.3	7.0	5.7	5.7	5.3	28.3
59 Everglade	5.2	5.8	4.7	3.7	8.0	5.7	6.0	4.0	38.3
60 Fairfax	5.2	5.5	5.0	6.3	5.3	6.2	5.3	7.0	46.7
61 Wildwood	5.2	5.6	4.8	3.7	6.3	5.5	6.0	5.7	40.0
62 SRX 2114	5.2	5.7	4.7	3.3	7.3	5.2	5.0	5.7	36.7
63 Yvette	5.2	5.2	5.3	6.3	5.3	8.5	7.7	6.7	30.0
64 A97-1715	5.2	5.6	4.8	3.0	7.0	5.0	5.7	4.7	31.7
65 Bordeaux	5.2	5.9	4.5	5.3	6.7	5.0	6.0	5.0	36.7
66 Rita	5.2	5.9	4.5	7.0	5.7	5.2	4.7	4.7	35.0
67 SR 2284	5.2	5.5	4.9	7.0	5.0	5.7	6.0	6.3	40.0
68 A96-1201	5.2	5.3	5.1	1.7	4.7	7.3	8.3	4.3	40.0
69 B3-171	5.2	5.7	4.7	5.7	4.3	5.0	5.7	5.3	75.0
70 B4-128A	5.2	5.3	5.1	7.0	4.3	8.0	8.3	5.3	38.3

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua ⁴ Nov. 2002
	2001-2002 Avg.	2002 Avg.						
71 Coventry	5.2	5.0	5.0	4.7	6.5	5.0	7.0	51.7
72 PST-B3-170	5.2	4.9	3.3	6.7	4.7	5.0	4.7	31.7
73 A98-205	5.2	4.2	6.3	7.0	5.3	5.0	4.3	48.3
74 Pro Seeds-453	5.1	4.8	5.0	5.7	6.0	6.3	5.7	46.7
75 North Star	5.1	5.0	1.7	6.0	7.2	5.7	6.0	40.0
76 PST-1804	5.1	4.8	6.0	5.7	6.0	6.0	5.3	38.3
77 A98-1028	5.1	4.7	8.0	5.3	5.8	5.7	4.7	46.7
78 A98-881	5.1	4.7	7.3	6.3	6.2	6.0	5.3	31.7
79 A97-1432	5.1	4.5	5.7	5.7	5.3	5.3	4.7	63.3
80 Allure	5.1	5.2	5.7	5.0	6.5	4.7	7.0	43.3
81 Misty	5.1	5.0	6.0	3.3	6.2	3.3	7.0	33.3
82 Blue Knight	5.1	4.6	4.3	7.3	6.3	6.3	5.3	31.7
83 A98-305	5.1	4.6	5.3	3.3	5.7	5.7	5.0	63.3
84 Rambo	5.1	4.6	6.3	6.7	5.2	5.3	3.3	35.0
85 Glenmont	5.1	4.4	6.0	5.7	5.5	5.3	4.7	66.7
86 Brilliant	5.1	4.5	4.7	4.3	5.7	6.7	4.3	66.7
87 Apollo	5.1	4.4	4.3	3.7	5.5	5.7	4.7	83.3
88 Everest	5.0	4.5	3.0	7.7	5.0	5.0	4.3	41.7
89 A98-2038	5.0	4.4	5.0	7.0	5.2	5.7	4.3	41.7
90 Mallard	5.0	4.3	5.0	6.7	4.7	5.3	5.0	43.3
91 Ba 84-140	5.0	4.7	2.3	9.0	5.8	5.0	4.3	38.3
92 Lakeshore	5.0	4.5	7.3	6.0	5.5	6.0	5.3	45.0
93 A98-890	5.0	4.1	8.0	5.3	5.8	7.3	5.3	51.7
94 Arrow	5.0	4.4	7.0	7.0	5.3	6.0	5.0	48.3
95 IB7-308	4.9	4.0	2.3	7.3	4.8	5.0	4.0	53.3

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua (%) Nov. 2002
	2001-2002 Avg.	2001 Avg.						
96 PST-B5-89	4.9	5.7	4.2	7.7	4.8	4.7	4.3	61.7
97 Monte Carlo	4.9	5.8	4.0	7.0	4.3	4.7	4.7	53.3
98 SRX 26351	4.9	5.8	4.0	6.3	5.3	6.3	4.7	56.7
99 Julius	4.9	4.8	5.0	4.3	8.0	7.3	6.3	53.3
100 Lily	4.9	5.7	4.0	4.7	6.0	3.7	6.7	48.3
101 B3-185	4.9	5.4	4.3	4.3	5.5	6.0	4.3	78.3
102 A97-1330	4.9	5.3	4.5	4.3	5.3	7.0	5.0	66.7
103 Pp H 6370	4.9	5.0	4.7	5.3	5.8	7.0	6.0	30.0
104 Bartitia	4.9	5.3	4.4	5.7	5.3	4.7	5.3	53.3
105 A96-739	4.8	5.8	3.9	6.3	4.2	4.7	4.7	45.0
106 Voyager II	4.8	5.4	4.3	4.3	5.0	6.3	4.3	71.7
107 Unique	4.8	5.4	4.2	3.3	5.7	6.7	4.3	66.7
108 BAR Pp 0471	4.8	5.2	4.4	3.7	6.0	6.3	4.3	85.0
109 Barquis	4.8	5.2	4.4	5.7	5.2	5.0	4.7	55.0
110 Freedom II	4.8	5.3	4.3	7.7	5.5	5.3	4.3	35.0
111 Baronette	4.8	5.3	4.3	7.0	4.3	5.0	4.3	48.3
112 H92-558	4.8	5.3	4.3	7.7	4.5	5.3	4.0	46.7
113 HV 140	4.8	5.9	3.6	3.7	4.5	5.7	4.3	68.3
114 PST-H5-35	4.7	5.1	4.4	5.3	5.3	5.0	4.7	50.0
115 Ba 82-288	4.7	5.6	3.9	6.3	4.7	4.7	4.7	46.7
116 Pick 453	4.7	5.2	4.2	7.3	5.5	4.7	4.3	43.3
117 Abbey	4.7	5.6	3.9	4.7	3.7	3.7	5.3	53.3
118 Julia	4.7	5.1	4.3	6.3	5.2	5.7	5.0	40.0
119 B5-144	4.7	4.6	4.8	5.0	6.3	4.7	7.0	48.3
120 Limerick	4.7	5.2	4.2	4.7	5.5	3.7	5.0	56.7

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua (%) Nov. 2002
	2001-2002 Avg.	2001 Avg.						
121 Gold Star	4.7	5.7	6.7	5.7	4.0	6.0	3.0	65.0
122 DLF-76-9036	4.7	5.5	4.7	4.3	4.2	4.3	6.0	53.3
123 Raven	4.7	5.6	3.3	4.7	3.8	3.7	6.3	51.7
124 SI A96-386	4.7	5.3	4.0	6.3	4.8	4.7	4.3	56.7
125 Showcase	4.7	5.1	5.0	4.3	5.0	6.3	4.0	68.3
126 Envicta	4.7	5.4	5.0	4.7	3.8	3.0	5.7	45.0
127 DLF-76-9038	4.7	5.4	4.7	5.0	4.7	6.0	4.3	83.3
128 Sonoma	4.7	5.1	4.0	6.0	5.5	5.7	4.3	48.3
129 A97-1409	4.7	5.5	8.7	6.7	4.3	5.7	4.0	40.0
130 Barzan	4.6	4.9	5.3	3.7	6.2	5.3	6.3	28.3
131 A96-427	4.6	5.5	5.3	6.0	4.2	5.7	4.3	48.3
132 Champagne	4.6	4.7	8.0	6.0	4.8	5.7	4.3	40.0
133 PST-108-79	4.6	4.7	6.0	4.7	6.7	5.3	4.7	53.3
134 B5-45	4.6	5.2	3.7	4.3	6.3	4.7	5.3	66.7
135 Marquis	4.6	5.0	4.0	4.3	3.8	3.3	6.3	45.0
136 H92-203	4.6	5.3	4.3	3.3	5.0	6.7	4.0	73.3
137 A95-1606	4.6	5.1	7.0	6.3	4.7	5.7	3.7	41.7
138 PST-B4-246	4.6	5.1	2.0	7.7	5.3	5.7	4.7	48.3
139 B5-43	4.5	4.5	5.3	5.0	6.0	4.7	5.7	58.3
140 Pick 417	4.5	4.8	3.7	7.3	5.2	5.0	5.0	46.7
141 Chateau	4.5	4.7	3.0	5.3	5.8	4.3	6.0	51.7
142 A96-451	4.4	4.9	7.0	7.3	4.2	5.7	5.0	36.7
143 A97-857	4.4	4.9	7.0	5.3	4.8	6.0	3.7	50.0
144 Blue Ridge	4.4	5.2	6.3	8.3	4.3	5.3	4.7	46.7
145 PST York Harbor 4	4.4	5.2	3.3	6.7	3.8	4.0	5.0	43.3

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua (%) Nov. 2002
	2001-2002 Avg.	2001 Avg.	2002 Avg.						
146 DLF-76-9032	4.4	4.6	4.1	1.7	4.7	5.3	6.0	3.7	65.0
147 PST-H6-150	4.4	4.8	3.9	3.3	4.3	5.0	6.7	3.7	70.0
148 BA 00-6001	4.4	5.3	3.4	1.7	6.3	4.7	5.3	3.3	63.3
149 Goldrush	4.4	5.4	3.3	3.3	5.3	2.8	3.7	5.0	55.0
150 BHOO-6002	4.3	5.2	3.5	6.0	4.3	3.7	2.3	6.7	41.7
151 Baron	4.3	5.4	3.3	4.3	4.7	3.3	2.7	5.0	70.0
152 PST-222	4.3	4.9	3.7	5.3	7.7	3.8	4.3	4.7	41.7
153 Mercury	4.3	5.7	2.9	3.7	5.7	3.5	4.7	4.0	73.3
154 Ascot	4.3	4.8	3.8	2.7	5.7	5.5	6.3	3.7	58.3
155 SRX 27921	4.2	5.1	3.3	4.0	6.3	5.2	5.7	4.7	46.7
156 Baronie	4.2	4.3	4.1	8.3	4.7	5.2	4.3	5.0	48.3
157 Blacksborg II	4.2	4.9	3.5	7.0	7.0	4.5	4.0	4.0	55.0
158 Markham	4.2	4.9	3.5	4.7	8.0	4.0	3.7	4.0	51.7
159 A98-365	4.2	5.0	3.4	4.7	6.3	4.5	5.7	3.7	65.0
160 Ba 83-113	4.2	4.6	3.7	7.0	7.0	4.3	5.3	4.3	46.7
161 BAR Pp 0573	4.1	4.8	3.4	6.3	5.3	4.2	5.3	3.7	66.7
162 Baritone	4.1	4.2	3.9	7.7	5.0	5.5	5.0	4.3	55.0
163 BAR Pp 0566	4.0	4.7	3.3	7.3	7.0	3.8	5.0	3.3	58.3
164 Chelsea	4.0	4.3	3.6	3.7	5.7	6.0	6.3	4.7	46.7
165 A96-746	3.9	4.5	3.4	8.3	2.0	3.7	5.0	4.0	75.0
166 PpH 7907	3.9	4.6	3.3	5.0	6.0	4.2	4.0	4.7	51.7
167 A98-183	3.9	5.1	2.8	4.0	6.0	4.0	5.0	2.3	70.0
168 Washington	3.9	4.3	3.4	8.7	3.7	3.2	5.0	5.7	38.3
169 PST-604	3.8	4.6	2.9	6.7	4.3	3.7	4.7	3.0	73.3
170 Boomerang	3.7	4.5	2.9	3.0	7.0	5.0	4.7	3.3	46.7

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² March 2002	Color ³ Oct. 2002	Density ⁴ 2002 Avg.	Leaf Texture ⁵ Oct. 2002	Poa annua ⁴ May 2002	Poa annua (%) Nov. 2002
	2001-2002 Avg.	2002 Avg.						
171 SRX OG245	3.6	2.7	7.0	6.0	3.5	5.3	5.3	36.7
172 99AN-53	3.6	3.1	4.7	5.7	3.0	3.3	4.3	43.3
173 A98-139	3.6	2.5	6.3	5.0	3.0	3.7	3.7	73.3
174 Wellington	3.6	2.9	8.3	2.7	2.7	4.7	5.0	60.0
175 A98-407	3.5	3.2	5.7	6.0	3.5	4.7	3.3	53.3
176 Jewel	3.5	2.8	3.7	4.3	2.7	4.3	3.3	56.7
177 Pp H 7929	3.5	3.2	5.3	5.0	5.0	5.3	3.0	55.0
178 Kenblue	3.4	2.3	8.0	2.0	2.3	7.3	6.0	48.3
179 CVB 20631	3.4	3.2	3.7	5.7	5.2	6.3	2.7	65.0
180 Bodacious	3.3	2.6	3.7	5.0	4.2	4.3	3.0	73.3
181 GO-9LM9	3.2	2.2	8.3	2.0	2.0	4.7	5.3	50.0
182 DLF-76-9034	2.9	2.3	5.3	3.3	1.8	2.0	3.7	70.0
183 BH 00-6003	2.9	2.2	6.3	5.3	2.7	2.7	2.3	60.0
184 NA K992	2.9	2.2	2.7	8.0	2.2	3.3	3.7	55.0
LSD at 5% =	0.6	0.8	1.7	1.4	1.0	1.2	1.2	18.6

¹9 = best turf quality
²9 = earliest spring green-up
³9 = darkest green color
⁴9 = highest shoot density (average of two density ratings in May and October)
⁵9 = finest leaf texture
⁶9 = least invasion by *Poa annua*
⁷ Texas bluegrass x Kentucky bluegrass hybrid

Table 7. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 2000 at Adelphia, NJ. (Includes all entries of the 2000 National Kentucky Bluegrass Medium-High Maintenance trial sponsored by NTEP.)

Cultivar or Selection	-----Turf Quality ¹ -----			Spring	Steminess ³	Color ⁴
	2001-2002 Avg.	2001 Avg.	2002 Avg.	Green-up ² April 2002	May 2002	Oct. 2002
1 Unknown	6.8	6.9	6.6	2.3	8.7	7.0
2 A98-726	6.7	6.5	6.9	2.3	8.3	8.0
3 SRX 26351	6.5	6.8	6.2	6.0	6.3	6.0
4 Impact	6.5	6.3	6.7	3.0	9.0	7.7
5 H97-695	6.5	6.3	6.7	3.0	8.3	8.3
6 PST-1701	6.4	6.6	6.2	7.0	8.7	4.0
7 Indigo	6.4	6.6	6.2	5.3	7.3	5.3
8 A98-15	6.4	6.7	6.0	6.3	8.3	6.7
9 SR 2205	6.3	6.3	6.3	5.3	6.7	3.0
10 A96-265	6.3	6.2	6.5	3.0	8.7	4.3
11 A98-13	6.3	6.7	5.9	6.3	8.3	7.3
12 Midnight	6.3	6.3	6.3	2.3	7.3	7.3
13 SRX 2109	6.3	6.1	6.5	5.7	8.3	3.7
14 Freedom II	6.3	6.1	6.4	6.0	8.3	7.3
15 J-2695	6.3	6.1	6.4	2.7	9.0	7.3
16 Arcadia	6.2	6.2	6.3	2.7	8.0	7.3
17 Barrister	6.2	6.3	6.2	2.7	8.7	7.3
18 Beyond	6.2	6.1	6.3	3.0	8.7	7.7
19 Midnight II	6.2	6.3	6.1	3.0	8.7	7.7
20 J-2890	6.2	6.1	6.2	3.0	8.3	7.0
21 A96-299	6.2	6.1	6.2	3.0	8.3	5.0
22 J-1838	6.1	6.3	5.9	2.7	8.0	7.3
23 PST-108-79	6.1	6.3	5.8	6.0	7.7	3.3
24 Quantum Leap	6.0	5.9	6.1	3.0	7.7	7.7
25 J-1368	6.0	6.1	6.0	3.3	8.7	5.7
26 A98-948	6.0	6.2	5.8	6.7	7.0	4.0
27 Odyssey	6.0	6.1	5.9	3.3	9.0	7.0
28 MoonShadow	6.0	6.0	5.9	4.7	8.7	5.7
29 Ascot	6.0	5.8	6.1	3.3	5.0	6.7
30 Total Eclipse	6.0	6.0	5.9	3.0	7.3	7.0
31 Award	6.0	6.0	5.9	3.0	8.0	7.0
32 Moonlight	6.0	6.0	5.9	5.3	8.3	8.3
33 Serene	5.9	6.4	5.5	5.3	8.3	6.0
34 Langara	5.9	6.4	5.4	6.0	6.7	5.7
35 J-1515	5.9	5.8	6.0	2.7	8.7	7.0

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002
		2001- 2002 Avg.	2001 Avg.	2002 Avg.			
36	Alpine	5.9	5.8	6.0	3.3	7.7	3.3
37	A95-410	5.9	6.3	5.5	5.0	5.3	6.3
38	Tsunami	5.9	6.1	5.7	3.0	9.0	7.3
39	Princeton P-105	5.9	6.0	5.8	4.0	9.0	4.7
40	Everglade	5.9	5.7	6.1	3.0	8.0	7.3
41	A91-703	5.9	6.0	5.7	6.7	6.3	3.3
42	A98-999	5.9	6.1	5.6	7.0	5.0	6.7
43	Bluestone	5.8	6.0	5.6	3.3	8.0	6.7
44	Explorer	5.8	6.0	5.7	3.3	8.7	8.7
45	J-1420	5.8	5.8	5.8	2.7	8.0	7.0
46	95AN-10	5.8	6.0	5.7	7.7	8.3	5.0
47	SRX 2U5	5.8	5.9	5.7	4.7	8.7	2.0
48	J-1513	5.8	5.9	5.7	3.3	8.7	7.3
49	Rugby II	5.8	5.9	5.6	3.3	8.0	6.7
50	Cabernet	5.8	5.9	5.6	7.0	7.7	4.0
51	Liberator	5.8	6.0	5.6	4.3	8.7	6.3
52	Pro Seeds-453	5.8	5.9	5.6	6.7	6.0	5.7
53	Champlain	5.8	5.5	6.0	3.7	7.0	4.0
54	A98-430	5.8	5.9	5.6	7.7	4.3	6.7
55	A95-1048	5.8	5.8	5.7	5.3	8.3	5.3
56	Crest	5.8	5.9	5.6	4.7	4.3	5.0
57	A94MH-94	5.7	5.5	6.0	4.0	8.3	5.0
58	A98-363	5.7	5.6	5.8	5.7	6.7	4.7
59	SR 2284	5.7	5.9	5.6	7.3	5.3	5.7
60	A97-1715	5.7	5.6	5.8	5.7	7.3	5.3
61	North Star	5.7	5.6	5.8	2.7	6.7	3.7
62	Bedazzled	5.7	6.1	5.3	5.7	7.0	5.3
63	Royale	5.7	6.2	5.2	6.7	6.3	5.0
64	A99LM-16 (TxB hyb) ⁵	5.7	6.0	5.4	3.7	7.3	3.3
65	A97-1432	5.7	6.0	5.4	6.0	6.0	5.7
66	Ba 82-288	5.7	5.8	5.5	6.0	6.7	6.3
67	A98-205	5.7	5.8	5.6	6.0	7.0	6.7
68	NuGlade	5.7	5.8	5.5	2.7	8.7	5.7
69	A96-1246	5.7	5.5	5.9	6.3	6.7	6.0
70	Excursion	5.6	5.6	5.7	3.3	7.7	7.3

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002
		2001- 2002 Avg.	2001 Avg.	2002 Avg.			
71	A98-290	5.6	5.9	5.4	5.3	5.3	5.3
72	A95-1939	5.6	6.0	5.2	5.7	5.3	6.0
73	Sonoma	5.6	5.7	5.5	5.7	7.3	6.0
74	J-2561	5.6	5.3	5.8	2.3	8.3	6.7
75	Broadway	5.6	5.2	6.0	3.7	7.0	4.7
76	A98-305	5.6	5.6	5.5	5.7	3.7	4.3
77	A98-2038	5.6	5.9	5.3	5.0	7.3	8.3
78	Wildwood	5.6	5.9	5.2	4.0	8.3	6.3
79	Pick 417	5.6	5.7	5.4	5.7	7.7	5.7
80	HV 140	5.5	6.0	5.1	5.7	6.0	2.3
81	A98-1025	5.5	5.5	5.5	5.7	6.3	4.7
82	B4-128A	5.5	5.5	5.5	5.3	8.0	4.7
83	A97-1409	5.5	6.0	5.0	6.3	6.0	7.3
84	SR 2394	5.5	5.4	5.5	5.7	5.7	6.0
85	SRX 2114	5.5	5.9	5.1	4.0	7.0	6.3
86	A96-1201	5.5	5.3	5.6	5.3	9.0	3.7
87	Everest	5.5	5.5	5.4	2.7	7.7	7.0
88	A98-877	5.5	5.5	5.4	5.7	7.7	3.7
89	A97-1330	5.4	5.6	5.3	5.0	6.0	4.7
90	Hallmark	5.4	5.8	5.1	4.7	8.7	5.7
91	PST-B5-125	5.4	5.9	5.0	4.3	8.7	6.3
92	A98-1095	5.4	5.6	5.3	5.7	7.0	5.0
93	Bartitia	5.4	5.3	5.6	4.3	5.7	3.7
94	IB7-308	5.4	5.4	5.5	3.3	8.3	7.7
95	DLF-76-9036	5.4	6.0	4.8	4.7	4.0	3.7
96	Blacksburg	5.4	5.4	5.4	5.3	7.7	6.0
97	A98-1001	5.4	5.6	5.2	6.7	5.7	5.3
98	IQG-36	5.4	5.8	5.0	4.7	8.0	6.7
99	A82-204	5.4	5.6	5.2	6.0	8.7	6.3
100	PST-161	5.4	5.8	5.0	6.0	8.7	4.0
101	SRX 2U17	5.4	5.6	5.2	6.7	6.0	3.0
102	BAR Pp 0471	5.4	5.4	5.3	4.7	5.3	3.7
103	BAR Pp 0573	5.4	5.5	5.2	6.0	1.7	6.0
104	Abbey	5.4	5.9	4.8	5.0	5.3	3.3
105	A98-1358	5.3	5.8	4.8	6.3	6.0	4.3

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002
		2001- 2002 Avg.	2001 Avg.	2002 Avg.			
106	Baronette	5.3	5.3	5.3	6.7	7.0	6.0
107	J-2885	5.3	5.4	5.3	4.0	7.7	6.0
108	A98-344	5.3	5.3	5.4	6.0	4.3	6.7
109	CVB 20631	5.3	5.3	5.3	5.7	5.7	4.0
110	SCR-320	5.3	5.3	5.3	7.0	4.7	3.3
111	PST C-74	5.3	5.6	5.1	4.7	6.3	5.7
112	PST-222	5.3	5.5	5.1	4.3	6.7	7.0
113	PST-B3-170	5.3	5.5	5.1	4.0	6.7	6.0
114	Goldrush	5.3	5.8	4.8	5.3	5.0	4.0
115	A97-1475	5.3	5.3	5.3	3.3	6.0	5.0
116	Blue Knight	5.3	5.2	5.4	5.3	6.3	8.7
117	Yvette	5.3	5.2	5.4	6.7	8.0	3.3
118	99AN-39	5.3	5.7	4.9	4.7	7.3	3.7
119	Canon	5.3	5.7	4.8	5.3	6.7	4.0
120	A95-414	5.3	5.1	5.5	4.3	7.3	5.3
121	Barquis	5.3	5.2	5.3	4.3	6.0	4.3
122	Coventry	5.3	5.6	4.9	6.3	6.0	3.0
123	Envicta	5.3	5.3	5.3	5.3	4.3	4.0
124	A97-1560	5.3	5.5	5.1	5.0	7.0	5.3
125	Barzan	5.3	5.4	5.1	4.3	4.7	2.0
126	Rita	5.3	5.5	5.0	5.7	6.0	5.3
127	Raven	5.3	5.6	4.9	6.0	5.0	2.7
128	B6-63	5.3	5.3	5.2	6.0	8.7	4.7
129	PST-H6-150	5.2	5.6	4.8	4.7	5.7	4.0
130	Chateau	5.2	5.3	5.2	5.3	3.7	3.7
131	Julia	5.2	5.1	5.3	4.7	5.7	4.0
132	B3-171	5.2	5.4	5.0	5.0	6.0	5.0
133	IB7-231	5.2	5.8	4.6	3.7	8.7	6.0
134	Boutique	5.2	5.4	5.0	5.3	6.7	6.0
135	A98-1028	5.2	5.1	5.3	6.7	5.7	4.7
136	A98-881	5.2	5.3	5.1	5.0	7.7	4.7
137	Arrow	5.2	5.3	5.1	5.0	5.3	6.3
138	Chelsea	5.2	5.3	5.1	4.7	7.0	3.7
139	Blackstone	5.2	5.5	4.9	4.7	7.0	4.0
140	Lakeshore	5.2	5.4	5.0	5.3	6.7	4.7

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002
		2001- 2002 Avg.	2001 Avg.	2002 Avg.			
141	SRX 220713	5.2	5.1	5.3	5.0	6.0	3.7
142	A98-530	5.2	5.5	4.9	6.0	4.0	5.0
143	A96-1251	5.2	5.4	5.0	6.0	4.7	3.7
144	Royce	5.2	5.5	4.9	4.7	6.0	5.0
145	Limerick	5.2	5.6	4.7	5.0	5.3	3.3
146	B3-185	5.2	5.2	5.1	4.0	5.7	5.0
147	Showcase	5.2	5.2	5.2	4.7	4.7	4.7
148	Voyager II	5.2	5.4	4.9	5.0	7.0	5.0
149	Mallard	5.2	5.6	4.7	4.0	3.7	7.0
150	A96-427	5.2	5.7	4.6	6.7	4.7	5.3
151	Baron	5.2	5.5	4.8	5.3	5.3	3.3
152	Jefferson	5.2	5.5	4.8	6.0	5.7	4.0
153	H92-203	5.2	5.4	4.9	4.3	5.3	4.7
154	IQG-38	5.2	5.3	5.0	6.0	5.3	5.0
155	Brilliant	5.1	5.5	4.8	4.7	5.0	4.0
156	Baritone	5.1	5.1	5.2	7.0	5.3	5.0
157	PST York Harbor 4	5.1	5.6	4.6	5.3	7.0	6.0
158	PST-1304	5.1	5.2	5.0	4.3	5.7	4.7
159	A98-463	5.1	5.4	4.8	4.7	5.0	6.3
160	Rambo	5.1	5.3	4.9	5.0	5.7	5.3
161	Apollo	5.1	5.2	5.0	6.0	5.7	5.0
162	Marquis	5.1	5.3	4.9	5.7	6.0	3.7
163	IQG-28	5.1	5.0	5.2	4.7	5.7	5.0
164	A98-155	5.1	5.2	5.0	6.3	8.0	7.7
165	SCR-282	5.1	5.2	5.0	6.0	4.7	4.7
166	Chicago II	5.1	4.9	5.3	6.3	8.7	8.0
167	DLF-76-9038	5.1	5.3	4.8	5.0	5.7	5.3
168	Unique	5.1	5.1	5.1	5.0	5.3	4.7
169	Gold Star	5.1	5.7	4.4	5.3	3.7	7.7
170	Bordeaux	5.1	5.3	4.8	5.0	3.3	5.3
171	BA 00-6001	5.1	5.3	4.8	4.3	3.7	5.7
172	Pp H 7929	5.1	4.9	5.2	5.7	4.7	5.0
173	A98-183	5.1	5.3	4.8	4.0	7.0	6.3
174	Pick 453	5.1	5.1	5.0	6.0	6.3	5.3
175	B6-58	5.1	5.3	4.8	4.3	5.7	3.0

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002
		2001- 2002 Avg.	2001 Avg.	2002 Avg.			
176	A98-1147	5.0	5.1	5.0	4.7	4.7	4.0
177	A98-572	5.0	5.2	4.9	5.7	4.3	5.0
178	A98-962	5.0	5.1	5.0	4.7	5.7	4.0
179	HV 238	5.0	5.4	4.7	5.0	7.7	4.0
180	A98-365	5.0	5.0	5.1	4.7	6.0	7.0
181	BAR Pp 0468	5.0	5.1	5.0	4.3	5.3	5.0
182	Misty	5.0	5.7	4.3	5.0	4.7	3.3
183	SRX 27921	5.0	5.1	4.9	5.3	4.3	5.3
184	Allure	5.0	5.2	4.8	6.0	4.7	3.7
185	Midnight Star	5.0	5.0	5.0	5.3	8.3	8.7
186	America	5.0	5.1	4.9	5.0	5.7	5.3
187	Eagleton	5.0	5.7	4.3	5.7	7.0	2.3
188	A96-451	5.0	5.1	4.8	4.3	3.7	6.7
189	Blue Ridge	5.0	5.1	4.9	5.3	5.3	7.7
190	Merit	5.0	4.8	5.1	5.0	4.7	4.7
191	Pp H 7832	5.0	4.8	5.1	5.3	7.7	3.3
192	PST B6-60	5.0	5.1	4.8	6.0	5.7	3.3
193	A97-1524	5.0	5.2	4.7	7.0	3.7	6.3
194	Brunswick	5.0	5.1	4.8	8.0	7.0	2.0
195	B4-122	4.9	5.2	4.7	5.7	4.3	4.3
196	SI A96-386	4.9	5.2	4.6	5.7	8.3	4.3
197	Parade	4.9	4.9	4.9	6.7	5.7	5.3
198	B5-144	4.9	4.9	4.9	4.7	5.3	3.3
199	SR 2000	4.9	5.0	4.8	6.0	7.0	6.7
200	SRX 2U20	4.9	5.1	4.7	6.0	7.7	4.0
201	PST-B5-89	4.9	4.8	4.9	4.3	6.3	7.7
202	Glenmont	4.9	5.2	4.6	6.7	7.0	5.0
203	PST-H5-35	4.9	5.0	4.7	5.7	6.3	5.0
204	Lily	4.9	4.9	4.8	5.3	7.0	3.0
205	99AN-50	4.9	5.3	4.4	5.3	7.3	3.3
206	Monte Carlo	4.9	5.2	4.5	5.3	4.3	7.0
207	PST-B4-246	4.9	5.2	4.5	4.0	7.0	4.7
208	PST-1804	4.9	5.0	4.7	6.3	6.7	3.7
209	B5-45	4.9	5.3	4.4	6.3	5.0	3.3
210	B3-168	4.8	4.8	4.8	5.7	5.0	5.0

(Continued)

Table 7 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002	
	2001- 2002 Avg.	2001 Avg.	2002 Avg.				
211	Champagne	4.8	4.8	4.8	6.0	5.7	4.3
212	BAR Pp 0566	4.8	4.7	4.9	6.0	4.7	7.0
213	SRX 2U15	4.8	4.9	4.7	5.0	5.0	5.0
214	Blacksburg II	4.8	4.9	4.6	6.0	7.3	6.3
215	Fairfax	4.8	5.1	4.5	5.7	4.7	3.0
216	Mercury	4.8	5.2	4.4	5.7	2.7	6.7
217	Touchdown	4.8	4.7	4.8	7.0	7.7	2.0
218	H92-558	4.8	4.8	4.7	4.3	5.3	4.3
219	A98-139	4.8	5.1	4.4	7.3	7.0	4.3
220	Ba 83-113	4.8	5.1	4.4	6.0	1.7	7.0
221	Julius	4.8	4.5	5.0	6.0	7.3	2.7
222	B5-50	4.8	4.7	4.8	6.0	6.7	5.0
223	SRX 2U33	4.7	5.2	4.3	7.7	9.0	2.7
224	PpH 7907	4.7	4.7	4.7	5.0	4.0	4.7
225	Brooklawn	4.7	4.7	4.7	5.7	5.0	4.3
226	Voyager	4.7	5.1	4.3	7.3	8.7	2.0
227	Pp 8	4.7	5.1	4.3	5.3	7.7	3.0
228	Cynthia	4.7	5.0	4.4	4.0	8.3	5.0
229	A96-739	4.7	5.0	4.4	6.3	4.3	6.3
230	K 994	4.7	5.2	4.2	6.7	7.0	5.7
231	SRX 2036	4.7	4.9	4.5	6.3	9.0	1.7
232	DLF-76-9032	4.7	4.6	4.7	5.0	7.7	3.0
233	Shamrock	4.7	4.8	4.5	6.7	6.0	4.7
234	99AN-59	4.7	5.6	3.7	5.3	5.7	8.7
235	Markham	4.6	4.8	4.4	5.3	8.0	6.7
236	B5-43	4.6	4.8	4.4	5.7	4.0	4.0
237	Livingston	4.6	4.7	4.6	5.3	4.3	3.3
238	Pp H 6370	4.6	4.9	4.3	4.3	6.3	4.0
239	Baronie	4.6	4.8	4.4	6.0	4.7	4.3
240	SRX OG245	4.6	4.7	4.4	7.7	8.0	4.7
241	BHOO-6002	4.5	4.9	4.1	5.7	7.3	3.0
242	99AN-53	4.5	4.7	4.3	5.7	6.0	4.7
243	A98-407	4.5	4.4	4.5	5.7	2.3	7.3
244	RSP	4.5	5.1	3.8	6.0	9.0	2.7
245	Ba 84-140	4.4	4.5	4.4	5.3	8.0	8.0

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2002	Steminess ³ May 2002	Color ⁴ Oct. 2002
		2001- 2002 Avg.	2001 Avg.	2002 Avg.			
246	SR 2100	4.4	4.6	4.3	5.0	4.7	4.7
247	Jewel	4.4	4.0	4.9	5.7	8.0	3.7
248	PST-604	4.4	4.7	4.1	6.0	5.0	6.7
249	Boomerang	4.3	4.3	4.3	4.0	6.0	6.7
250	K 993	4.3	4.8	3.8	4.3	8.3	6.0
251	Washington	4.3	4.5	4.0	6.7	9.0	2.7
252	SRX 27753	4.3	4.0	4.5	5.7	3.0	7.3
253	BH 00-6003	4.2	4.2	4.2	6.0	4.7	4.7
254	A96-746	4.2	4.3	4.0	6.0	6.7	3.0
255	CNC 254	4.2	4.4	3.9	7.7	8.3	3.3
256	K 984	4.1	4.3	3.9	5.0	4.3	4.0
257	SRX 2021	4.1	4.4	3.8	4.3	4.0	4.3
258	Bodacious	4.0	3.6	4.3	5.3	4.3	4.7
259	W-202-A7	4.0	4.7	3.2	6.0	9.0	1.7
260	99AN-88	3.9	4.2	3.7	4.7	6.3	5.7
261	SRX 2U22	3.9	4.3	3.6	7.7	8.7	2.0
262	Wellington	3.9	4.2	3.6	7.7	9.0	3.0
263	A97-857	3.9	4.2	3.5	5.0	7.7	3.0
264	NA K992	3.9	3.7	4.0	5.7	3.7	5.7
265	99PH3-2	3.8	4.2	3.5	5.7	9.0	3.0
266	Kenblue	3.7	3.9	3.5	7.7	9.0	1.3
267	SCEC-183	3.6	4.5	2.8	6.3	9.0	3.3
268	99AN-16	3.6	3.9	3.2	6.0	5.7	6.3
269	DLF-76-9034	3.5	3.9	3.1	4.7	7.0	3.7
270	K 995	3.3	3.4	3.3	5.3	5.7	7.0
271	GO-9LM9	3.3	3.7	2.9	6.3	9.0	2.0
272	W-501-G5	3.3	3.1	3.5	6.0	4.0	4.7
273	99AN-12	2.4	2.6	2.2	3.3	4.5	5.7
274	W 102A-K	2.3	2.1	2.5	6.0	5.5	4.3
	LSD at 5% =	0.6	0.8	0.8	1.6	1.6	1.5

¹9 = best turf quality²9 = earliest spring green-up³9 = fewest seed heads⁴9 = darkest green color⁵Texas bluegrass x Kentucky bluegrass hybrid

Table 8. Performance of Kentucky bluegrass and Texas bluegrass hybrid cultivars and selections in a turf trial established in September 2000 at Adelphia, NJ.

Cultivar or Selection	Species	-----Turf Quality ³ -----			Spring Green-up ⁴ April 2002	
		2001-2002 Avg.	2001 Avg.	2002 Avg.		
1	H97-695	KBG ¹	7.0	7.1	6.8	2.0
2	Midnight	KBG	6.9	7.2	6.5	2.0
3	Langara	KBG	6.5	7.1	5.9	5.3
4	A94MH-94	KBG	6.0	6.2	5.9	2.3
5	A96-1201	KBG	6.0	6.1	5.9	5.7
6	Moonlight	KBG	5.7	6.2	5.2	4.3
7	A00TB-14	TxB hyb ²	5.6	6.0	5.3	2.7
8	Eagleton	KBG	5.6	6.2	4.9	5.0
9	A99LM-16	TxB hyb	5.5	6.1	4.8	2.7
10	A00TB-15	TxB hyb	5.5	6.3	4.6	2.3
11	A91-703	KBG	5.4	5.9	4.8	7.0
12	RUGC	KBG	5.2	5.5	4.9	7.3
13	RSP	KBG	4.9	6.0	3.7	7.0
14	H92-333	KBG	4.7	5.8	3.6	6.0
15	H86-1248	KBG	4.7	5.2	4.1	5.7
16	A89-352	KBG	4.5	4.8	4.1	7.0
17	A99LM-8	TxB hyb	4.3	5.1	3.5	6.3
18	A00TB-16	TxB hyb	4.1	4.8	3.3	6.0
19	A99LM-9	TxB hyb	4.0	4.9	3.2	6.3
20	A00TB-17	TxB hyb	2.7	2.7	2.6	7.0
21	IM65	KBG	2.5	2.9	2.2	6.7
LSD at 5% =			0.5	0.6	0.7	1.4

¹ Kentucky bluegrass

² Texas x Kentucky bluegrass hybrid

³ 9 = best turf quality

⁴ 9 = earliest spring green-up

Table 9. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 2001 at North Brunswick, NJ.

	Cultivar or Selection	Turf Quality ¹ 2002	Establishment ² Sept. 2001	Winter Color ³ Feb. 2002	Spring Green-up ⁴ March 2002
1	H98-701	6.3	6.0	6.7	6.7
2	A98-2677	5.9	6.7	6.3	7.7
3	A99-2208	5.8	5.7	6.7	5.3
4	A99-2483	5.8	6.3	6.3	6.3
5	Odyssey	5.8	8.0	2.7	1.0
6	A99-2987	5.7	5.7	6.3	6.7
7	H98-711	5.7	6.7	6.3	6.7
8	A99-2209	5.7	6.3	6.0	6.0
9	A99-2758	5.7	5.7	2.3	3.0
10	A99-2998	5.7	5.7	4.7	2.7
11	H98-768	5.7	5.7	6.0	7.0
12	A99-2031	5.7	6.0	5.3	8.3
13	NuGlade	5.7	8.0	2.3	1.7
14	PST C-74	5.6	6.3	6.7	7.3
15	A99-2377	5.5	6.7	4.3	5.0
16	H98-754	5.5	6.3	6.0	7.0
17	A99-2072	5.5	6.7	6.7	5.3
18	Liberator	5.5	7.3	2.0	1.7
19	H98-1082	5.5	4.3	3.0	4.7
20	A98-27	5.5	6.0	5.7	5.3
21	America	5.4	5.7	5.0	6.7
22	A99-2168	5.4	6.3	3.0	5.7
23	Eclipse	5.4	8.3	1.3	1.7
24	RSP	5.4	6.7	4.3	6.3
25	A99-2412	5.4	5.7	6.7	6.3
26	A96-1201	5.4	7.7	5.3	2.3
27	H94-288	5.4	7.3	5.3	7.0
28	H98-46	5.4	5.0	6.0	6.0
29	A99-2122	5.4	6.3	6.0	7.3
30	A99-2476	5.3	6.0	5.7	8.0
31	H94-195	5.3	5.7	3.3	4.7
32	SR 2284	5.3	6.3	4.7	7.3
33	H98-684	5.3	4.7	5.7	6.7
34	A99-2620	5.3	7.0	4.7	6.7
35	Award	5.3	6.7	4.0	4.3

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002	Establishment ² Sept. 2001	Winter Color ³ Feb. 2002	Spring Green-up ⁴ March 2002
36	A99-2671	5.2	5.7	6.3	7.0
37	Rugby II	5.2	5.7	2.3	2.7
38	A98-890	5.2	3.7	5.3	6.7
39	A98-962	5.2	4.3	2.7	6.7
40	A99-2213	5.2	4.3	6.3	5.3
41	A99-3123	5.2	7.0	3.3	5.7
42	A98-868	5.2	7.0	3.3	6.0
43	A99-2975	5.2	7.3	5.3	7.0
44	A98-337	5.1	6.7	3.7	6.7
45	A99-2914	5.1	5.3	3.0	5.0
46	A99-2309	5.1	5.7	5.7	7.3
47	A99-2481	5.1	5.7	5.3	6.3
48	A98-363	5.1	5.0	3.7	6.7
49	A98-238	5.1	4.7	5.7	5.3
50	A97-458	5.1	7.3	4.3	3.7
51	Blue Moon	5.1	7.0	2.0	2.0
52	A99-2231	5.0	5.3	6.0	7.0
53	A99-2257	5.0	5.7	6.0	6.3
54	Jefferson	5.0	5.7	5.0	6.3
55	A99-363	5.0	6.3	4.7	7.0
56	Arrow	5.0	6.3	4.7	6.7
57	A98-877	4.9	6.0	3.7	6.0
58	Eagleton	4.9	2.0	4.0	5.3
59	Lakeshore	4.8	6.3	3.3	7.7
60	Chicago II	4.8	6.7	2.3	2.0
61	PST-1701	4.7	5.7	6.0	7.7
62	A96-323	4.5	4.7	4.7	2.3
63	Washington	4.5	5.7	6.7	7.7
64	Freedom II	4.4	6.0	4.3	3.7
65	A94MH-94	4.4	6.7	5.7	2.0
66	Rambo	4.1	6.7	4.3	5.0
67	Bluechip	4.0	6.0	3.0	5.3
68	Atlantis	4.0	7.7	1.0	4.0
69	A94MH-71	3.9	7.3	5.0	2.7
70	Clearwater	3.9	8.7	1.7	5.0
71	Absolute	3.8	7.3	4.7	3.3
72	Reveille (TxB hyb) ⁵	3.8	2.7	2.7	7.3
73	A99-2907	3.6	4.0	3.0	4.3
74	DLFJ-102	3.6	5.7	3.0	4.0
75	DLFJ-101	3.6	7.3	5.0	5.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002	Establishment ² Sept. 2001	Winter Color ³ Feb. 2002	Spring Green-up ⁴ March 2002
76	Nassau	3.5	6.3	5.0	7.3
77	NuBlue	3.5	7.0	4.3	6.7
78	Caliber	3.4	5.3	5.7	8.0
	LSD at 5% =	0.8	1.5	1.4	1.8

¹9 = best turf quality

²9 = quickest establishment

³9 = darkest green color

⁴9 = earliest spring green-up

⁵Texas x Kentucky bluegrass hybrid

Table 10. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 2001 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
1	Serene	6.4	7.3	6.0	6.7
2	A94MH-94	6.4	6.7	3.0	4.7
3	A96-745	6.3	7.3	8.0	6.0
4	SR 2284	6.3	7.0	8.3	4.3
5	A96-323	6.2	5.0	2.3	3.7
6	H98-753	6.2	6.0	5.7	4.7
7	A99-2231	6.1	6.7	7.3	4.7
8	Unique	6.1	8.7	6.3	4.0
9	Bariris	6.0	7.7	6.3	5.0
10	Livingston	6.0	6.7	7.0	4.3
11	A99-2412	6.0	7.0	7.3	5.3
12	H94-321	6.0	6.0	7.0	3.0
13	Washington	6.0	7.3	6.7	5.0
14	A99-2309	6.0	6.7	6.7	4.0
15	A99-2487	6.0	6.7	7.0	4.7
16	A99-2914	6.0	6.0	5.0	4.3
17	A98-1224	5.9	7.3	4.3	5.3
18	A99-2235	5.9	6.3	4.0	3.7
19	Showcase	5.9	7.3	7.3	4.0
20	A99-2620	5.9	6.7	7.0	4.3
21	A99-2674	5.9	6.7	7.3	4.7
22	A95-2007	5.9	8.0	4.7	5.7
23	A99-2331	5.9	6.7	7.3	5.0
24	A98-27	5.8	6.7	7.0	4.3
25	A99-2483	5.8	7.0	7.3	4.0
26	H98-768	5.8	7.0	5.7	5.3
27	A96-1257	5.8	6.0	7.0	4.0
28	A99-2967	5.8	8.0	7.0	4.0
29	Bordeaux	5.8	6.3	8.3	5.3
30	H98-46	5.8	6.7	6.3	4.0
31	H94-288	5.8	7.0	7.7	4.3
32	H98-1075	5.8	7.0	7.3	5.3
33	Jefferson	5.8	6.3	5.0	3.7
34	109-9	5.7	5.3	8.0	4.7
35	A98-344	5.7	6.0	7.7	5.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
36	Fairfax	5.7	7.0	6.3	4.7
37	A01-1274	5.7	6.7	5.7	4.0
38	A98-328	5.7	7.0	9.0	4.0
39	A99-2377	5.7	6.7	6.0	4.7
40	H98-752	5.7	6.7	6.7	3.7
41	95AN-10	5.7	6.3	5.3	4.7
42	A97-288	5.7	6.3	2.0	3.0
43	A99-2481	5.7	7.3	7.3	4.7
44	A99-2975	5.6	7.0	7.0	5.0
45	PST C-74	5.6	7.3	7.7	4.3
46	H98-757	5.6	7.3	7.0	4.7
47	A97-1446	5.6	6.7	8.0	5.7
48	A97-1560	5.6	6.7	7.0	5.3
49	H98-699	5.6	6.3	7.7	4.7
50	Boutique	5.6	6.3	7.7	6.0
51	OOAN-64	5.6	5.3	7.0	5.0
52	A99-2072	5.5	7.3	6.7	4.3
53	A99-2467	5.5	7.3	6.7	4.3
54	Odyssey	5.5	6.3	2.0	2.7
55	Optigreen	5.5	8.0	5.7	5.3
56	Rita	5.5	7.0	7.3	5.3
57	A99-2122	5.5	5.7	6.7	3.3
58	A99-2213	5.5	6.0	7.0	4.0
59	A99-3177	5.5	6.0	3.7	3.3
60	Baronie	5.5	7.3	8.3	4.0
61	A97-1350	5.4	7.3	6.0	3.7
62	A98-1033	5.4	5.7	6.3	4.0
63	H98-754	5.4	7.3	5.7	4.3
64	A97-1527	5.4	6.0	4.0	2.0
65	A99-364	5.4	5.7	5.7	3.3
66	Baritone	5.4	6.3	7.3	4.3
67	Cannon	5.4	7.7	4.3	4.0
68	A99-2677	5.4	7.0	6.0	3.7
69	H98-727	5.4	5.3	6.3	4.0
70	A99-2208	5.3	6.3	6.0	3.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
71	Baronette	5.3	6.7	7.7	4.7
72	H97-297	5.3	7.3	3.7	5.0
73	H98-684	5.3	6.3	6.7	3.7
74	H98-701	5.3	6.3	6.7	4.0
75	PST-1701	5.3	7.3	5.3	4.7
76	A98-713	5.3	8.0	3.0	3.0
77	A99-316	5.3	5.7	8.0	4.7
78	A94-677	5.3	6.7	4.0	5.7
79	Absolute	5.3	7.0	3.3	4.0
80	H98-758	5.3	6.3	6.3	4.3
81	A96-1201	5.2	5.7	1.7	5.3
82	A98-363	5.2	5.3	7.7	4.0
83	A99-2209	5.2	5.7	7.3	3.7
84	A99-363	5.2	7.3	8.0	5.0
85	Cynthia	5.2	7.3	3.3	2.3
86	H98-1072	5.2	6.7	6.0	4.0
87	Lakeshore	5.2	5.7	7.7	5.7
88	Rambo	5.2	7.0	5.0	4.0
89	Sonoma	5.2	5.3	6.3	5.0
90	A98-290	5.2	7.3	4.7	4.3
91	A98-365	5.2	7.0	3.7	3.7
92	A99-2031	5.2	6.0	5.3	3.3
93	A99-2257	5.2	6.3	7.0	3.3
94	Arrow	5.2	6.0	7.0	2.0
95	H94-643	5.2	9.0	1.0	3.0
96	Y2K-30	5.2	4.0	6.0	3.0
97	A99-3016	5.2	5.7	6.7	4.3
98	H98-711	5.2	7.0	6.3	4.7
99	A98-516	5.1	6.0	8.0	4.0
100	A98-890	5.1	4.7	4.7	3.0
101	A99-3122	5.1	5.3	6.7	4.3
102	America	5.1	7.3	7.0	3.7
103	Atlantis	5.1	7.7	2.3	4.7
104	Clearwater	5.1	8.0	3.7	4.3
105	H98-700	5.1	4.7	6.3	4.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
106	Tx 2961-5	5.1	6.7	6.7	3.7
107	A96-714	5.1	5.0	7.0	5.0
108	A98-563	5.1	6.0	8.0	4.0
109	H96-579	5.1	7.3	8.0	4.0
110	A98-877	5.1	7.0	4.0	4.0
111	Parade	5.1	5.7	7.7	4.0
112	A98-1077	5.0	4.3	6.3	3.3
113	A99-2771	5.0	6.3	8.7	4.0
114	H97-696	5.0	6.3	2.3	2.3
115	OOAN-300	5.0	6.3	5.7	3.3
116	A98-1028	5.0	6.0	8.0	4.0
117	A98-739	5.0	7.0	1.7	2.3
118	A99-2444	5.0	6.0	4.3	4.0
119	A99-3123	5.0	7.0	6.7	4.0
120	Caliber	5.0	6.3	7.7	4.0
121	Champagne	5.0	5.0	5.7	5.3
122	A97-458	5.0	4.7	3.7	4.0
123	A99-3111	5.0	5.0	7.7	4.3
124	A98-708	4.9	4.7	3.3	4.0
125	Blackstone	4.9	3.3	6.3	4.0
126	RSP	4.9	7.3	8.0	3.7
127	A97-850	4.9	5.7	4.7	4.3
128	A98-868	4.9	7.0	4.7	3.7
129	A98-879	4.9	6.0	6.0	3.3
130	A99-324	4.8	5.0	6.0	3.0
131	A99LM-15 (TxB hyb) ⁵	4.8	6.0	8.0	3.3
132	Midnight	4.8	7.3	2.0	2.0
133	Arrow	4.8	7.0	7.0	4.0
134	A99-331	4.8	5.0	6.3	3.7
135	Eagleton	4.8	5.3	5.3	3.3
136	A98-233	4.8	4.7	6.7	3.7
137	A99-378	4.7	5.7	3.7	2.7
138	Arcadia	4.7	7.0	1.7	2.0
139	Blue Chip	4.7	6.3	2.7	3.7
140	Nuglade	4.7	7.0	1.7	2.7

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
141	SRX 2394	4.7	6.0	6.7	3.7
142	Y2K-169	4.7	6.0	4.0	3.0
143	A99-2168	4.7	6.0	7.7	4.7
144	A99-2933	4.7	6.7	4.7	4.0
145	Rugby	4.7	6.0	2.7	2.7
146	A97-890	4.6	4.3	6.7	3.3
147	OOAN-219	4.6	6.3	3.3	4.7
148	OOAN-353	4.6	6.0	5.7	4.3
149	A0-242	4.6	6.0	7.0	2.0
150	A99-3193	4.6	4.3	8.3	4.0
151	Y2K-59	4.6	4.0	5.0	2.0
152	Nublue	4.6	6.7	4.7	3.0
153	SRX 27753	4.5	7.0	5.0	3.0
154	A99-354	4.5	4.3	7.0	4.3
155	Award	4.5	6.7	4.7	3.3
156	OOAN-127	4.5	5.0	5.0	3.0
157	OOAN-45	4.4	7.0	1.7	2.0
158	A98-731	4.4	4.0	2.0	2.0
159	A98-962	4.4	5.0	6.0	4.0
160	Chicago	4.4	7.3	3.3	2.3
161	Liberator	4.4	7.7	2.0	3.3
162	Cabernet	4.4	5.3	6.0	2.7
163	PP 23573	4.3	6.7	5.3	3.3
164	Baron	4.3	7.3	2.3	3.3
165	Freedom II	4.3	6.0	5.0	2.3
166	Nassau	4.3	5.7	8.0	4.7
167	A99-2998	4.2	6.7	4.3	2.7
168	A6-20	4.2	7.3	5.3	2.3
169	Blue Moon	4.1	6.7	1.7	1.7
170	109-320	4.1	6.3	7.0	3.0
171	SRX 2554	4.0	5.3	3.0	2.3
172	Y2K-31	4.0	3.0	5.0	3.0
173	Y2K-34	4.0	5.0	5.0	2.0
174	Eclipse	3.9	7.7	2.3	2.0
175	Y2K-136	3.9	5.0	4.0	2.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
176	A99LM-16 (TxB hyb) ⁵	3.8	4.3	2.3	2.7
177	Y2K-21	3.8	4.0	7.0	1.0
178	Y2K-75	3.8	3.0	2.0	2.0
179	OOAN-117	3.7	3.0	5.3	2.0
180	OOAN-235	3.7	4.7	3.7	2.7
181	Y2K-138	3.7	5.0	5.0	3.0
182	DLF T-101	3.7	6.7	1.3	1.7
183	OOAN-51	3.6	4.0	5.3	1.3
184	C8-1-108-74-01	3.6	5.7	1.7	1.3
185	OOAN-258	3.6	5.0	5.3	2.0
186	NorthStar	3.5	5.3	2.0	2.0
187	OOAN-277	3.5	3.0	3.7	1.0
188	OOAN-329	3.4	4.3	4.7	1.0
189	Y2K-111	3.4	6.0	4.0	1.0
190	Y2K-132	3.3	6.0	6.0	3.0
191	A98-695	3.2	6.3	2.7	1.7
192	SR 2100	3.2	3.3	5.0	2.7
193	OOAN-50	3.1	3.7	5.7	1.0
194	Y2K-186	3.0	2.0	4.0	2.0
195	Y2K-187	3.0	7.0	3.0	1.0
196	Y2K-74	3.0	6.0	5.0	2.0
197	A0-37	2.9	3.0	4.0	2.0
198	OOAN-157	2.9	4.3	2.0	1.7
199	Y2K-5	2.8	4.0	2.0	3.0
200	DLF T-102	2.6	6.3	3.3	1.7
201	Y2K-122	2.6	5.0	3.0	1.0
202	OOAN-130	2.5	1.3	3.7	1.3
203	OOAN-13	2.5	2.7	3.7	1.0
204	A0-36	2.4	3.0	5.0	1.0
205	Y2K-108	2.4	4.0	3.0	1.0
206	Y2K-123	2.4	4.0	2.0	1.0
207	Reveille (TxB hyb) ⁵	2.2	2.0	5.0	1.0
208	Y2K-100	2.2	5.0	3.0	1.0
209	Y2K-117	2.2	6.0	4.0	1.0
210	Y2K-27	2.2	2.0	4.0	1.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality ¹ 2002 Avg.	Establishment ² Sept. 2002	Spring Green-up ³ March 2002	Drought Tolerance ⁴ July 2002
211	Y2K-63	2.2	3.0	3.0	1.0
212	Y2K-92	2.2	4.0	4.0	1.0
213	OOAN-229	2.2	2.3	4.3	1.3
214	Y2K-97	2.1	4.0	4.0	1.0
215	01-OR-KBG	2.0	2.0	3.0	1.0
216	Y2K-65	1.8	3.0	1.0	1.0
217	Y2K-85	1.8	4.0	5.0	1.0
218	OOAN-245	1.8	2.7	5.3	1.0
219	Y2K-84	1.6	2.0	2.0	1.0
220	OOAN-233	1.5	4.7	2.0	1.0
221	A0-34	1.3	1.0	2.0	1.0
	LSD at 5% =	0.7	1.8	1.9	1.7

¹9 = best turf quality

²9 = quickest establishment

³9 = earliest spring green-up

⁴9 = best drought tolerance

⁵Texas x Kentucky bluegrass hybrid

Table 11. Yearly nitrogen (N) applied and mowing height (Ht) on Kentucky bluegrass tests established at Adelphia, North Brunswick, and Pittstown, N.J.

	1999		2000		2001		2002	
	N ¹	Ht ²	N	Ht	N	Ht	N	Ht
Table 1 (1998 North Brunswick)	1.9	1.5	2.4	1.5	2.9	1.5	1.5	1.5
Table 2 (1998 Adelphia)	2.8	1.5	2.8	1.5	3.5	1.5	3.0	1.5
Table 3 (1998 Pittstown)	1.3	2.5	1.5	2.5	1.0	2.5	1.0	2.5
Table 4 (1999 North Brunswick)			3.4	1.5	3.6	3.0-1.5 ³	2.2	1.5
Table 5 (1999 Adelphia)			3.8	1.5	3.5	1.5	3.8	1.5
Table 6 (2000 North Brunswick)					5.0	3.0-1.5	4.4	0.75
Table 7 (2000 Adelphia)					3.4	1.5	3.8	1.5
Table 8 (2000 Adelphia)					3.4	1.5	3.8	1.5
Table 9 (2001 North Brunswick)							2.2	1.5
Table 10 (2001 Adelphia)							3.0	1.5

¹ Annual N applied (lb/1000 ft²)

² Mowing height in inches

³ Mowed at 3 inches until September then lowered to 1.5 inches